



**BOARD OF EDUCATION OF HOWARD COUNTY
MEETING AGENDA ITEM**

TITLE: 2019 Feasibility Study **DATE:** June 13, 2019

PRESENTER(S): Renée M. Kamen, Manager, School Planning

Strategic Call To Action Alignment: This process supports the Strategic Call to Action (SCTA) by providing operations and practices that are responsive, transparent, fiscally responsible and accountable.

OVERVIEW:

Annually, the Board of Education reviews long-term capital planning options and attendance area scenarios through the Feasibility Study. This report starts the capital budget process. The annual student enrollment projection is introduced; identification of new capital projects (e.g., additions, renovations) or changes to previous capital projects are discussed; and anticipated attendance area adjustments within the timeframe of the capital improvement program are presented in this report. Plans examined in this document may be implemented in the approval of the capital budget or changes in school attending areas.

On January 24, 2019, the Board directed that HCPSS initiate a system-wide school boundary review, which could potentially impact any or all of the 74 comprehensive schools. This report contains several options for boundary changes for implementation in school year 2020-21. This report is the initial stage of the boundary review process. Should the Board proceed with a boundary review, an attendance advisory committee will convene, and community input sessions will occur to gather additional input for the Superintendent's consideration in his development of a recommendation to the Board.

Attachment:

1. 2019 Feasibility Study
2. Attendance Advisory Committee

RECOMMENDATION/FUTURE DIRECTION:

Proceed with the recommendations presented in this report.

SUBMITTED BY: Renée M. Kamen Manager, School Planning	APPROVAL/CONCURRENCE: Michael J. Martirano, Ed. D. Superintendent
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2019 Feasibility Study

An Annual Review of Long-Term Capital
Planning and Attendance Area Adjustment Options



Howard County Public School System

Feasibility Study:
An Annual Review of Long-Term Capital
Planning and Attendance Area Adjustment Options

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Feasibility Study:
An Annual Review of Long-Term Capital
Planning and Attendance Area Adjustment Options

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This is a publication of the Howard County Public School System.

Electronic copy of the 2019 Feasibility Study can be
found on the school system's website at www.hcpss.org/school-planning/

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Feasibility Study:
An Annual Review of Long-Term Capital
Planning and Attendance Area Adjustment Options

Section 1

Executive Summary

June 2019

Executive Summary

On January 24, the Board of Education directed that HCPSS initiate a systemwide school boundary review, which could potentially impact any or all of the 74 comprehensive schools in our system beginning in the school year (SY) 2020-21. This review is critical due to population growth that has resulted in crowding at many schools while schools in other areas are underutilized.

The Howard County Public School System's (HCPSS) annual Feasibility Study provides a comprehensive look at the ten-year K-12 student enrollment projections. The intent of this document is to provide the most updated student enrollment projection to the Board of Education, staff members and public to inform capital and operating decisions. This document contains specific information about K-12 student enrollment and projected enrollment for each school and county-wide. K-12 projections are produced each winter, predicting the number of students for September 30 for each year.

The projection is used to develop the Superintendent's Proposed Operating and Capital Budgets for the next fiscal year and the annual Feasibility Study. The enrollment projections inform long-range facilities planning decisions, such as the need to relocate regional programs, implement school attendance area adjustments, assign relocatable classrooms, construct permanent classroom additions to existing schools, and replace or build new schools.

The projected enrollment for school year 2019-20 is 57,346 students, which is a gain of 776 students, and represents 1.4 percent growth over last year. The Board of Education approved changes in the attendance areas for the school year 2018-19 on November 17, 2017. The newly developed student enrollment projections take into account the new boundaries. The projection shows an increase in enrollment of 6,700 students over the next ten years. Changes in delivery of capacity projects are recommended for the upcoming capital budget and long-range master plan request and are outlined on page 16 of this document. The 2019 Feasibility Study is a comprehensive look at the 10-year student enrollment projections for all schools in the county, and is based on the most current available data, including population growth based on students yielded from sales of existing housing and from projected new housing units, as well as participation in the FARM program. The study provides possible options based on data and available capacity for boundary adjustments. An independent consultant, Cooperative Strategies, LLC, is verifying all data to ensure data integrity.

This document contains multiple scenarios for consideration in a comprehensive boundary review. As such, the boundary review process that follows the delivery of the Feasibility Study is structured differently than in the past, with process improvements to ensure that feedback is focused on the ideas presented in the Feasibility Study and provided in a format that staff can use to improve solutions. Every stakeholder will have multiple opportunities to receive accurate information and provide input, and all voices will be heard and respected.

Per Policy 6010, the Attendance Area Committee (AAC) will advise the Superintendent as he develops his recommendation from the Board. The AAC will comprise of members representing the diversity of Howard County. The members represent every planning region in the County, and each has previously served HCPSS in advisory roles, as a member of an advisory committee, organized community organization or school system partner. Group members include a former HCPSS administrator and a current student. Two individuals were tapped from one of the last three AACs to provide historical perspective. This group will review the feasibility study and provide feedback directly to me to inform my recommendations. The AAC will not be developing their own plans or reviewing plans submitted by community members.

Additional information about the process and timeline, a Frequently Asked Questions (FAQ), and details about public input opportunities are available on the HCPSS website at www.hcpss.org.

Feasibility Study:
An Annual Review of Long-Term Capital
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Section 2

Planning Considerations

Planning assumptions and considerations regarding enrollment growth and other factors are addressed in this section. These factors are reviewed and updated on an annual basis. Implications of the factors discussed in this section include capital planning decisions. This section presents a discussion of the major components and adjustments included in this year's planning considerations.

Introduction

The Office of School Planning is pleased to present the 2019 Feasibility Study report for the Howard County Public School System (HCPSS). The report provides detailed information on the number of students projected for each school at HCPSS on September 30th of each school year for the period beginning in school year 2019-20 and ending in school year 2030-31. Projection accuracy is reported annually to the Board of Education (Board) each January/February. To project future enrollment, HCPSS uses multiple sets of data, which include the number of births for Howard County, the five-year history of cohort survival (i.e., ratio of students moving from one grade to the next in the same school), first-time sales of newly-constructed homes, resales of existing homes, apartment turnover, and out of district enrollment at regional programs. Each data point is projected separately based on specific, appropriate methodologies for each category.

Enrollment projections are a valuable planning tool to help predict the need for new or expanded schools and determine how many teachers are needed each year in each school and grade. Enrollment projections are also used for facility planning purposes to estimate the expected number of students in each school.

Each year, the Board of Education reviews the capital planning options and boundary adjustment considerations through a feasibility study. The report has four goals:

- Inform the long-term planning process.
- Facilitate discussion of decisions that may lay ahead.
- Provide strategic information to the school system.
- Prepare for scheduled school boundary adjustments.

The Office of School Planning presents the student enrollment projection, projection trends, comprehensive strategies for the capital improvement program (i.e., additions) and attendance area adjustments anticipated within the ten-year CIP. Any plans examined in this document may only be implemented through the Board's approval of the capital budget and/or attendance area changes. Funding restraints may not allow capital projects recommended in this document to proceed as recommended.

Additionally, this document contains Council requirements under the Adequate Public Facilities Ordinance. These items include State and Local Capacities, each school's most recent boundary changes, factors contributing to growing enrollment, as well as funding and boundary adjustment assumptions for schools that are projected to be open to new residential development in the testing year due to a capital project or attendance area adjustments associated with a capital project.

Experience has shown that by presenting this report annually, assumptions and trends can be evaluated on a regular basis and appropriate adjustments can be made to the capital budget or attendance area plans. Changes may need to be considered to react to and plan for anticipated population shifts or new residential development.

Annual enrollment projections are also used in short-term decision-making, such as determining staffing, school supplies and allocating relocatables.

Enrollment Projections

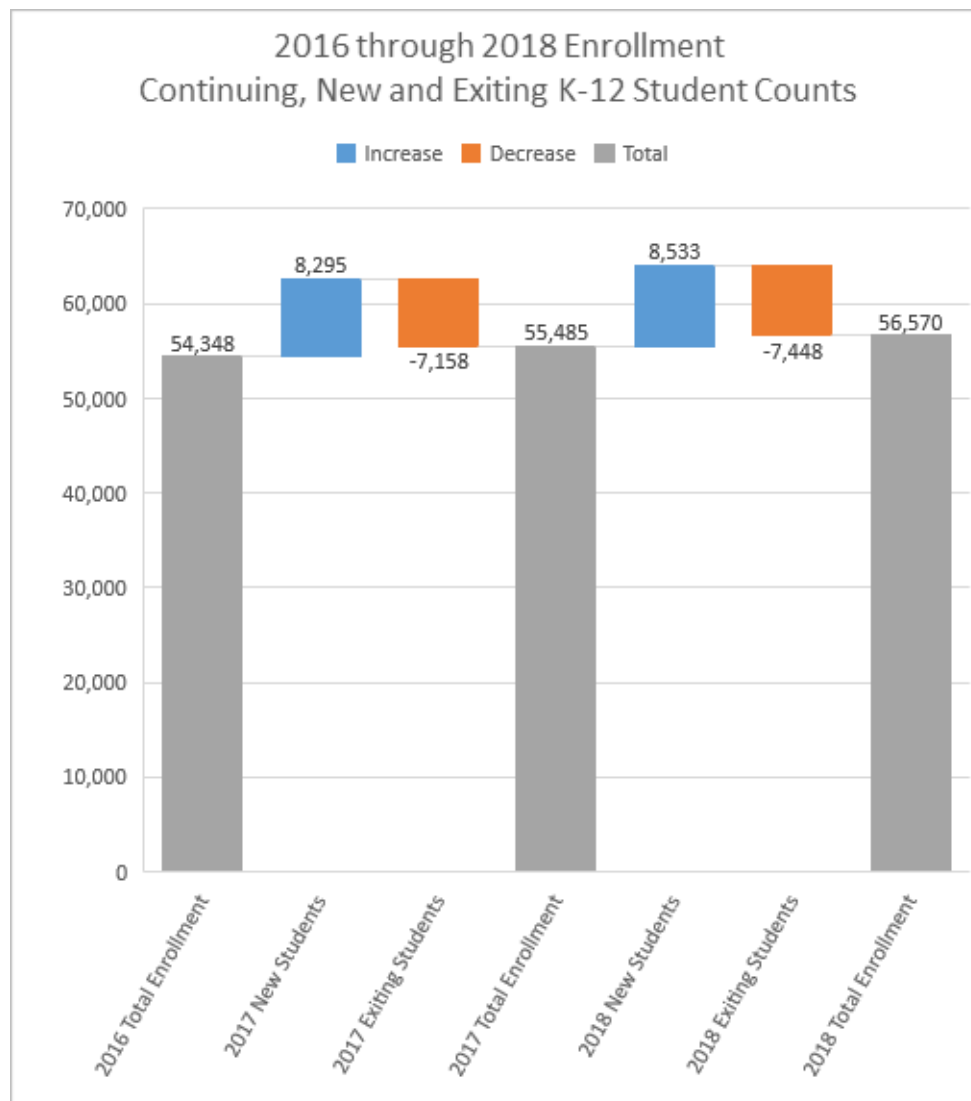
HCPSS Current Enrollment

On September 30, 2018, the total K-12 enrollment was 56,570 students. This total includes students from kindergarten to twelfth grade. Figure 2.1 below is a waterfall chart that illustrates the net change of student enrollment over the last three years.

Figure 2.1 2016 - 2018 Waterfall Chart

Figure 2.1 illustrates the total "ins and outs" (increase and decrease) over the last three years. New students arrive in HCPSS each year, and are mainly from new homes, resales, and kindergarten students enrolling in HCPSS for the first time. The exiting student group includes graduating twelfth graders and families moving out of Howard County.

Student Groups	Counts
2016 Total Enrollment	54,348
2017 New Students	8295
2017 Exiting Students	-7158
2017 Total Enrollment	55,485
2018 New Students	8533
2018 Exiting Students	-7448
2018 Total Enrollment	56,570



Enrollment Projections

Projection Methodology

HCPSS, as well as many other school districts, uses cohort survival ratio as a student enrollment projection methodology. For the purposes of the school system, a cohort is a group of students at a specific grade level.

The cohort survival ratios are calculated based on actual student data and are aggregated by school attendance area to maintain comparability regardless of any changes in school attendance area boundaries. Cohort-survival ratios project how many second graders will result from last year's first graders, how many third graders will result from last year's second graders, and continues until the number of twelfth graders from last year's eleventh graders is predicted, based on recent historical student data. This calculation is done for each grade level, at each school, using the most recent 3-5 years of historical data to predict future enrollment. The most recent past is viewed as the best predictor of the near future.

Figure 2.2 Cohort Survival Ratio

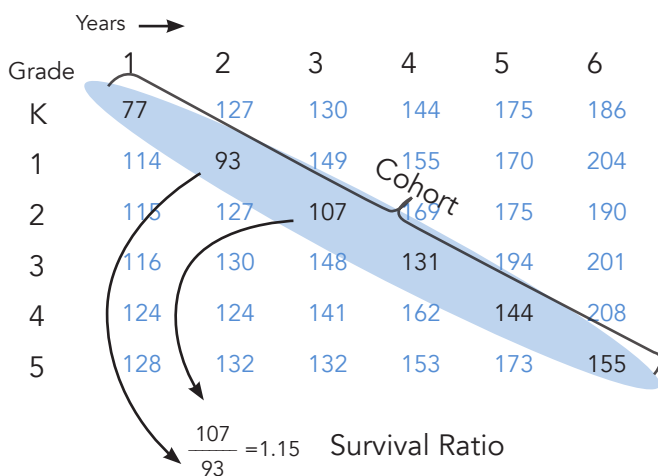


Figure 2.2 illustrates a cohort survival ratio. In the example, the rate of 1.15 can be used to predict how many second graders will result from the previous year's first graders. A cohort survival rate that is greater than one (1), indicates more students entered the grade than progressed from the previous grade. A cohort survival rate of less than one (1) indicates there are fewer students moving to the next grade at that school than the count of students from the previous grade in the previous year.

In addition to cohort survival ratios, HCPSS uses Howard County birth data, student yields from first-time sales of newly-constructed homes, resales of existing homes, and apartment turnover, as well as enrollment in regional programs. Table 2.1 below shows the total by-grade projected enrollment for the HCPSS for school year 2019-20.

Table 2.1 By Grade Enrollment Projection for September 30, 2019

2019 Projection by Grade					
Elementary	Projection	Middle	Projection	High	Projection
K	3,967	6th	4,668	9th	4,746
1st	4,138	7th	4,615	10th	4,625
2nd	4,196	8th	4,538	11th	4,305
3rd	4,329			12th	4,402
4th	4,339				
5th	4,478				

Enrollment Projections

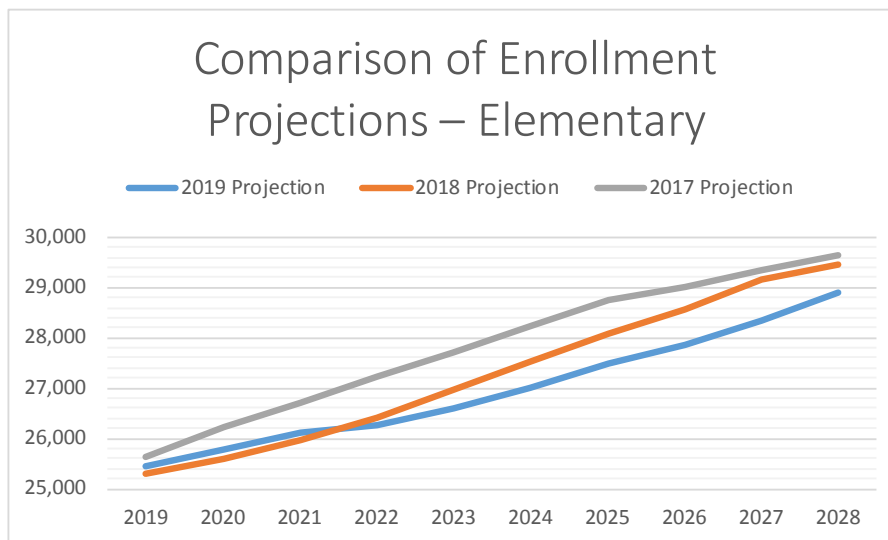
HCPSS Projected Enrollment

HCPSS ten-year K-12 projected enrollment for school year 2019-20 through 2028-29 continues to show enrollment growth at all levels.

The projection is presented to school year 2030-31 in Section 3 of this document. Certain decisions such as site acquisition are appropriately informed by the latter part of the projection. Planning issues may become apparent by comparing the current projection to those made in previous years. The following charts use a ten-year series and present three consecutive annual projections.

It is anticipated that for school year 2019-20, we will receive a net increase of 776 students for a systemwide total of 57,346 students. This increase comes from a variety of migration patterns and includes sales of existing homes and new construction. It is important to know that new construction is only new construction for one year in the HCPSS projection. After the first year, the new students generated by homes constructed in previous years are counted through cohort survival or resales.

Figure 2.3 Comparison of Three Enrollment Projections - Elementary

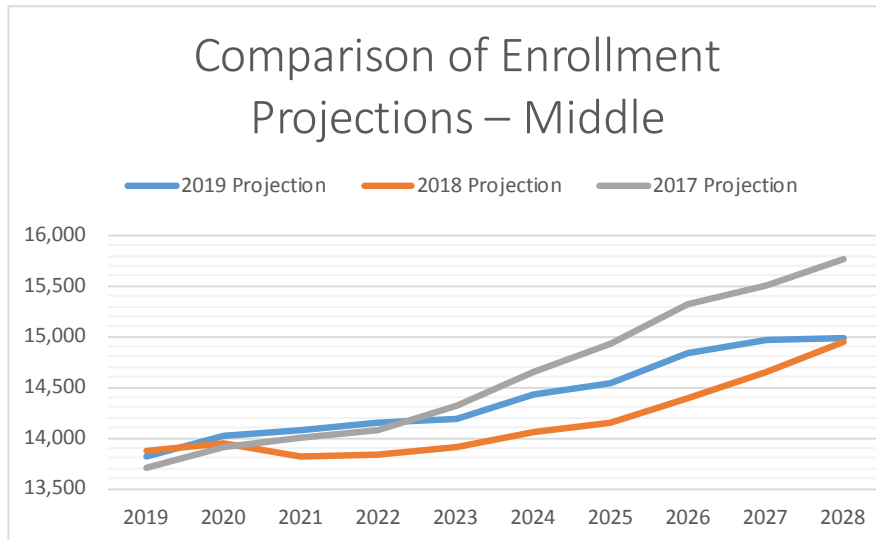


As shown in Figure 2.3, the 2019 elementary projection includes a similar rate of enrollment growth in the near-term, while trending towards a slightly lower enrollment in the long-term view. The trend in the 2019 projection is for elementary enrollment to increase by nearly 3,600 students by 2028.

As a result of this enrollment growth, the capacity utilization of all elementary schools combined will begin to exceed 110 percent by 2028 if new elementary schools are not built.

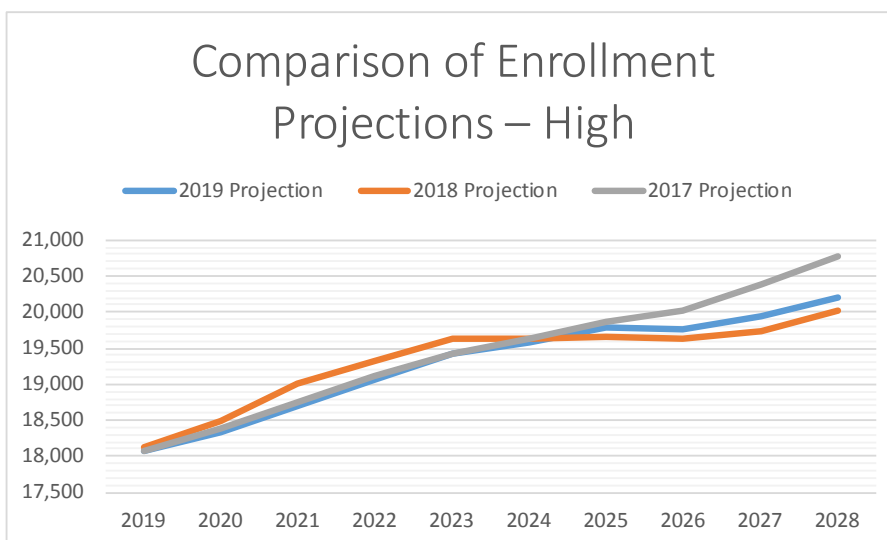
Enrollment Projections

Figure 2.4 Comparison of Three Enrollment Projections - Middle



As shown in Figure 2.4, the middle school projected enrollment is expected to increase by nearly 1,600 students by 2028. The 2019 middle school enrollment growth trend rate is slightly higher than the 2018 projection and lower than the 2017 projection in long-term growth. As a result of this enrollment growth, the combined capacity utilization of all middle schools will begin to exceed 110 percent beyond 2030. Most of the projected growth is in the East and North, and based on the long-term growth trends.

Figure 2.5 Comparison of Three Enrollment Projections - High



High school enrollment is projected to increase by nearly 2,500 student by 2028, as shown in Figure 2.5. As a result of this growth, the combined capacity utilization of all high schools will begin to exceed 110 percent beyond 2022. Similar to the middle school growth, high school growth is in the Eastern portions of the county.

Enrollment Projections

Projection Growth Factors

The Adequate Public Facilities Ordinance adopted by the County Council in 2018 requires that HCPSS report factors that contribute to growing enrollment. This chart compares the student enrollment from school year 2018-19 with the updated projection for school year 2019-20, identifying schools with enrollment increase projected. The section of the chart labeled "Projected 2019 Student Yield" shows the estimated breakdown of the contribution of each housing factor on the number of students added to each school for school year 2019-20. Counted here are students projected to arrive at each school due to turnover of multi-family housing, resale of existing homes, and new construction. "Other factors" is the sum of all other contributing factors to change in enrollment between years for each school and includes projected change due to cohort size rising to next level, changes to cohort survival rates, changes in birth counts from 5 years ago, change to birth to kindergarten survival rates, adjustments to out of district counts, students who moved into an attendance area between birth and five years old, and adjustments based on previous projection accuracy. Tables 2.2, 2.3 and 2.4 below identify which portion of the projected enrollment growth is expected to come from new housing, resales, and other factors used to project student enrollment.

Table 2.2 Elementary School Student Yield Data

	Official 2018 Enrollment	Projected 2019 Enrollment	Projected Enrollment Change	Projected 2019 Utilization	Projected 2019 Student Yield			
					Apt Turnover	Resale	New Construction	Other Factors
Atholton ES	445	450	5	106%	1.5	11.0	0.0	-7.5
Bellows Spring ES	725	731	6	97%	2.4	7.4	17.9	-21.7
Bollman Bridge ES	660	676	16	102%	54.9	5.0	0.4	-44.2
Bryant Woods ES	419	432	13	120%	19.4	10.3	0.0	-16.8
Bushy Park ES	593	588	-5	79%	0.0	33.4	8.9	-47.3
Centennial Lane ES	734	734	0	113%	12.0	30.0	1.2	-43.1
Clarksville ES	419	392	-27	72%	8.0	20.6	7.2	-62.8
Clemens Crossing ES	491	522	31	100%	0.0	12.9	3.2	14.9
Cradlerock ES	462	461	-1	116%	5.3	15.0	0.0	-21.3
Dayton Oaks ES	650	651	1	96%	0.0	38.0	7.0	-44.0
Deep Run ES	665	672	7	90%	13.2	1.3	0.4	-7.9
Ducketts Lane ES	563	568	5	82%	22.5	2.5	0.0	-20.0
Elkridge ES	865	866	1	114%	20.0	21.2	6.5	-46.7
Forest Ridge ES	679	675	-4	95%	3.7	10.3	12.7	-30.7
Fulton ES	918	981	63	119%	5.0	26.1	26.7	5.2
Gorman Crossing ES	810	824	14	112%	3.0	20.9	5.7	-15.5
Guilford ES	401	381	-20	82%	7.6	10.1	0.5	-38.2
Hammond ES	623	634	11	97%	12.7	16.1	0.7	-18.5
Hollifield Station ES	879	895	16	122%	40.4	22.3	25.0	-71.7
Ilchester ES	607	588	-19	101%	0.0	19.0	7.6	-45.6
Jeffers Hill ES	403	423	20	100%	9.7	7.7	0.0	2.7
Laurel Woods ES	569	555	-14	87%	18.2	11.3	1.1	-44.6
Lisbon ES	451	463	12	88%	0.0	10.7	6.9	-5.6
Longfellow ES	420	425	5	83%	17.0	9.0	0.0	-21.0
New ES #42(HHES)	651	687	36	93%	7.0	5.8	68.7	-45.5
Manor Woods ES	650	632	-18	93%	9.6	31.9	0.0	-59.4
Northfield ES	747	753	6	108%	11.5	27.5	0.4	-33.4
Phelps Luck ES	540	553	13	93%	28.0	10.4	0.4	-25.8
Pointers Run ES	869	884	15	119%	0.0	39.2	21.7	-45.9
Rockburn ES	577	568	-9	93%	0.0	10.5	4.0	-23.4
Running Brook ES	452	467	15	91%	42.4	2.2	0.6	-30.3
St Johns Lane ES	726	724	-2	118%	10.4	23.4	1.1	-36.9
Stevens Forest ES	384	403	19	101%	17.0	4.2	0.0	-2.2
Swansfield ES	574	563	-11	81%	24.0	6.5	0.0	-41.5
Talbott Springs ES	471	465	-6	123%	7.3	1.5	0.0	-14.8
Thunder Hill ES	526	512	-14	101%	13.5	7.3	0.0	-34.8
Triadelphia Ridge ES	563	544	-19	94%	0.0	27.2	13.5	-59.6
Veterans ES	863	844	-19	106%	32.9	15.1	3.7	-70.7
Waterloo ES	565	539	-26	81%	13.7	8.7	0.7	-49.1
Waverly ES	835	857	22	109%	0.9	33.1	12.3	-24.4
West Friendship ES	401	406	5	98%	0.0	24.3	1.6	-20.9
Worthington ES	475	459	-16	89%	1.0	13.5	3.5	-34.0

Enrollment Projections

Table 2.3 Middle School Student Yield Data

	2018 Enrollment	Projected 2019 Enrollment	Projected Enrollment Change	Projected 2019 Utilization	Projected 2019 Student Yield			
					Apt Yield	Resale Yield	NC Yield	Other Factors
Bonnie Branch MS	751	721	-30	103%	-5.3	14.0	2.7	-41.4
Burleigh Manor MS	808	790	-18	101%	-9.4	13.4	3.2	-25.1
Clarksville MS	666	701	35	109%	0.3	8.9	12.0	13.8
Elkridge Landing MS	745	762	17	98%	-1.7	10.4	1.9	6.4
Ellicott Mills MS	869	917	48	131%	-2.7	13.7	1.0	36.0
Folly Quarter MS	660	704	44	106%	0.0	13.8	4.1	26.1
Glenwood MS	492	508	16	93%	0.0	11.7	3.8	0.5
Hammond MS	572	626	54	104%	-2.7	6.4	0.9	49.3
Harpers Choice MS	505	490	-15	97%	-11.0	9.1	0.0	-13.1
Lake Elkhorn MS	580	572	-8	89%	0.7	4.8	0.0	-13.5
Dunloggin MS	661	657	-4	116%	-18.6	4.0	0.9	9.7
Lime Kiln MS	632	656	24	94%	-0.6	15.6	5.9	3.1
Mayfield Woods MS	726	795	69	100%	-7.0	4.1	3.5	68.5
Mount View MS	837	849	12	106%	1.8	26.8	8.7	-25.3
Murray Hill MS	720	747	27	113%	-0.7	7.2	2.8	17.6
Oakland Mills MS	519	513	-6	101%	-8.0	-1.5	0.0	3.5
Patapsco MS	712	745	33	116%	-3.0	6.5	10.2	19.3
Patuxent Valley MS	686	703	17	93%	-1.7	0.3	4.6	13.8
Thomas Viaduct MS	654	714	60	102%	-7.7	2.5	19.7	45.5
Wilde Lake MS	632	651	19	86%	-2.4	7.5	2.3	11.5

Table 2.4 High School Student Yield Data

	Offical 2018 Enrollment	Projected 2019 Enrollment	Projected Enrollment Change	Projected 2019 Utilization	Projected 2019 Student Yield			
					Apt Turnover	Resale	New Construction	Other Factors
Atholton HS	1511	1488	-23	102%	-4.7	10.3	2.0	-30.7
Centennial HS	1594	1635	41	120%	0.3	5.5	0.2	34.9
Glenelg HS	1199	1193	-6	84%	0.0	12.8	3.1	-21.9
Hammond HS	1376	1380	4	113%	-11.0	2.0	0.7	12.3
Howard HS	1898	1921	23	135%	4.5	13.9	4.9	-0.3
Long Reach HS	1566	1658	92	111%	-10.1	9.3	21.8	70.9
Marriotts Ridge HS	1422	1477	55	91%	-0.5	12.3	8.2	35.0
Mt Hebron HS	1567	1636	69	117%	-5.1	10.6	6.8	56.7
Oakland Mills HS	1231	1318	87	94%	-8.5	7.5	0.0	88.0
Reservoir HS	1588	1629	41	105%	0.0	2.5	9.8	28.8
River Hill HS	1387	1402	15	94%	-1.0	10.0	6.7	-0.7
Wilde Lake HS	1317	1341	24	94%	-10.8	2.0	1.9	30.9

Relationship to Capital Budget

Figure 2.6 Capital Budget and Boundary Review Flow Chart

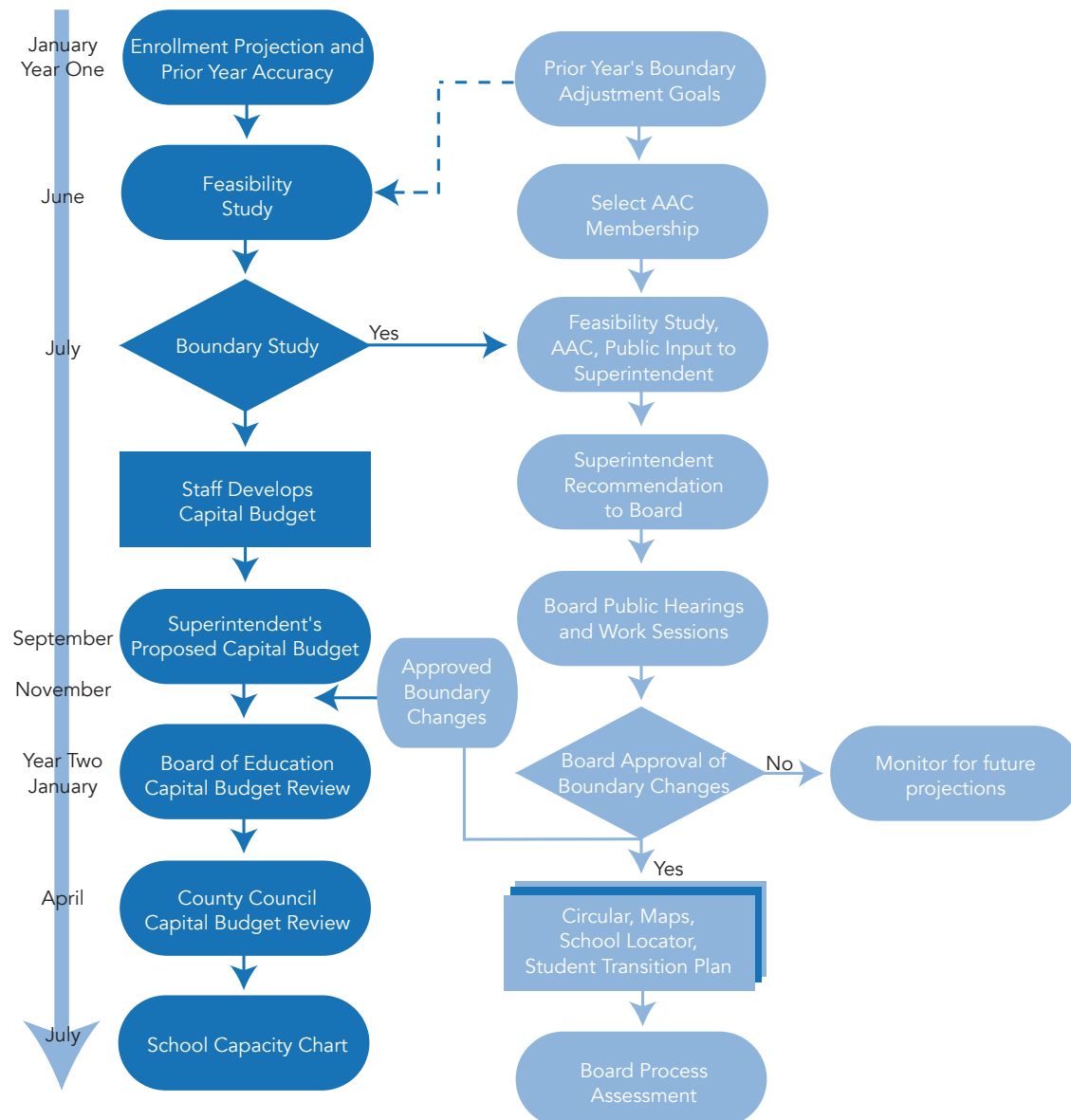


Figure 2.6 shows the school boundary adjustment process in the context of the capital budget cycle. The feasibility study is presented as the capital budget is being prepared. The graphic shows that while school boundary adjustments may not take place annually, they are given consideration annually in the feasibility study. There are a number of ways to address enrollment growth. In some cases, new capacity or a capital project is the best solution. In other cases, school boundary adjustments consistent with policy may allow better use of existing capacity. Sometimes changes to regional program locations can open capacity. Relocatable buildings can also be used to temporarily relieve crowding. The process is ongoing but may be tracked through this document and the capital budget process.

Relationship to Capital Budget

The annual capital budget contains a Capital Improvement Plan (5-year plan) and Long-Range Master Plan (10-year plan). Table 2.5 is a copy of the FY 2020–2029 Long-Range Master Plan from FY 2020 Board Requested Capital Budget. Capital projects are shown with anticipated funding phased out over future fiscal years. The Feasibility Study evaluates enrollment trends and discusses adjustments and changes that may be reflected in the CIP and Long-Range Master Plan.

The Adequate Public Facilities Ordinance adopted by the County Council in 2018 requires that HCPSS reports funding and attendance area adjustment assumptions for projects that are open due to a capital project or attendance area adjustments associated with a capital project. The Board Requested FY 2020 – 2028 Long Range Master Plan as approved by the Board on February 19, 2019, is below. The final adoption of the FY 2020 Capital Budget is scheduled for June 6, 2019.

State funding eligibility for new capacity is based on adjacent schools, and may be affected if available seats at nearby schools are not more fully utilized.

Table 2.5 FY 2020-2029 Board of Education Requested Long Range Master Plan

FY 2020-2029 Long-Range Master Plan															
Board of Education's Requested															
(In Thousands)															
Capacity	Project	County Project	Occupancy	Approved Appropriations	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total Approp. plus FY20-FY29 Request
540	Talbot Springs ES Replacement	E1043	Sept 2022	\$ 8,050	\$ 9,500	\$ 14,218	\$ 9,878	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,646
1,650	New HS #13	E1035	Sept 2023	6,732	15,600	32,260	32,280	32,260	19,564	-	-	-	-	-	138,696
200	Hammond HS Renovation/Addition	E1024	Sept 2023	4,000	12,500	27,955	28,075	28,156	14,494	-	-	-	-	-	115,180
600	New ES #43	E1039	Sept 2024	-	-	4,000	15,500	14,500	12,439	4,588	-	-	-	-	51,027
97	Dunloggin MS Renovation/Addition	E1049	Sept 2024	-	-	2,000	8,694	11,671	11,534	5,000	-	-	-	-	38,899
156	Ellicott Mills MS Addition	E1037	Sept 2023	-	-	-	1,000	6,415	1,000	-	-	-	-	-	8,415
-	Oakland Mills MS Renovation	E1036	Sept 2026	-	-	-	-	-	7,500	15,500	12,500	2,810	-	-	38,310
600	New ES #44	E1040	Sept 2026	-	-	-	-	4,000	15,550	14,500	12,439	6,524	-	-	53,013
250	Centennial HS Renovation/Addition	E1025	Sept 2028	-	-	-	-	-	11,333	16,367	27,278	26,187	26,186	13,093	120,444
TBD	New HS #14	E1052	Sept 2028	-	-	-	-	-	13,905	19,948	33,247	31,918	31,917	15,959	146,894
480	New ES #45	E1041	Sept 2030	-	-	-	-	-	-	-	-	4,000	11,500	12,500	28,000
	Systemic Renovations/Modernizations	E1044		25,455	38,115	24,589	23,327	20,270	19,974	11,948	17,000	18,000	19,000	20,000	237,678
	Roofing Projects	E1046		12,500	5,000	1,000	5,000	1,000	1,000	5,000	5,000	5,000	5,000	5,000	50,500
	Playground Equipment	E0990		2,930	250	250	250	250	250	500	500	500	500	500	6,680
	Relocatable Classrooms	E1045		1,800	3,200	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	18,500
	Site Acquisition & Construction Reserve	E1047		-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	20,000
	Technology	E1048		2,750	5,500	5,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	73,750
	School Parking Lot Expansions	E1012		4,200	-	-	-	-	-	600	600	600	600	600	7,200
	Planning and Design	E1038		700	400	400	300	300	300	300	300	300	300	300	3,900
	Barrier Free	E0989		5,603	200	200	200	200	200	200	200	200	200	200	7,603
	TOTALS			\$ 74,720	\$ 92,265	\$ 115,872	\$ 135,504	\$ 130,022	\$ 140,043	\$ 105,451	\$ 120,064	\$ 107,039	\$ 106,203	\$ 79,152	\$ 1,206,335

Ten-Year Long-Range Master Plan =

\$1,131,615

Capacities

Equitable evaluation of the impact of projected enrollment growth requires calculation of school capacities. Capacities are not necessarily fixed to the capacity designed when a building first opened. Change in space usage, program location, and building or program specifications can change capacity. Capacity methodologies have been reviewed at all three levels. The results from the capacity studies are integrated into any recalculation of capacities due to relocation of regional programs, additions or renovations. The feasibility study expresses the projected enrollment by level and by school as a function of capacity utilization. Utilization is the comparison of a facility's program capacity and its enrollment or projected future enrollment. In the Pre-Measure (Section 3) and Post-Measure Tables (Section 4), the effects of potential capacity projects, or regional program moves on utilization are depicted.

The example below from the 2015 Feasibility Study, illustrates how capacity is shown in these tables. Table 2.6 shows the effect of the larger capacity of the Wilde Lake MS replacement school. The capacity columns show the number of seats, which changes from 467 to 760 in 2017 when the replacement school opened. The corresponding calculation of the percentage utilization also changes, dropping from 128.3 percent to 85.3 percent in 2017.

Table 2.6 Capacity Chart Example

Post-Measures									
Aggregate Plan									
Chart reflects May 2015 Projections, Board of Education's FY 2017 Requested capacities and estimate									
	Capacity				2016-17		2017-18		
Columbia - East	2016	2017	2018	2019	Proj	% Util.	Proj	% Util.	
Lake Elkhorn MS	643	643	643	643	503	78.2	548	85.2	
Oakland Mills MS	506	506	506	506	434	85.8	438	86.6	
Region MS Totals	1149	1149	1149	1149	937	81.5	986	85.8	
Columbia - West									
Harpers Choice MS	506	506	506	506	574	113.4	595	117.6	C
Wilde Lake MS	R 467	760	760	760	599	128.3	C 648	85.3	
Region MS Totals	973	1266	1266	1266	1173	120.6	C 1243	98.2	

High school program capacities are a product of either 80 or 85 percent of the total number of teaching stations multiplied by 25 students. The minimum square footage for a teaching space is 660 square feet at all levels. This calculation excludes special education classrooms and special use rooms. The varying utilization percentage of 80 percent or 85 percent are applied because not all teaching stations can be scheduled for every period of the school day and not all schools meet the general education specifications for space requirements. Many of these rooms are designed for a specific class and cannot be adapted for other uses, leaving them unused for a portion of the day.

Middle school program capacities are a product of 95 percent of the total number of teaching stations multiplied by 20.5 students, exclusive of special education classrooms. Like high schools, not all teaching stations can be scheduled for use every period of the school day.

Capacities

Elementary school program capacities are based on 22 students for each Kindergarten classroom, 19 students for each classroom in Grades 1 and 2, and 25 students for each classroom in Grades 3–5. Not included in the capacities for elementary schools are resource/instructional spaces that are utilized on a schoolwide basis where no one group of students is assigned exclusively. Some examples of spaces not included in the capacity are gymnasiums, cafeteriums, art rooms, music rooms, media centers, gifted and talented rooms, rooms dedicated to Special Education, or regional programs such as Regional Early Childhood Centers or Pre-K.

Another constraint on facilities is the usage restrictions for schools that are not on public sewer. The HCPSS currently has on-site waste water treatment systems at Manor Woods ES, Lisbon ES, West Friendship ES, Glenelg HS, Marriotts Ridge HS/Mount View MS, Glenwood MS/Bushy Park ES, Folly Quarter MS/Triadelphia Ridge ES, and Dayton Oaks ES.

Schools with Title I status receive additional staffing and administration may need to adjust room usage to best allocate these additional resources. For school year 2019-2020, schools with Title I schoolwide program include Bollman Bridge ES, Bryant Woods ES, Cradlerock ES, Deep Run ES, Ducketts Lane ES, Guilford ES, Laurel Woods, Longfellow ES, Phelps Luck ES, Running Brook ES, Stevens Forest ES, Swansfield ES, and Talbott Springs ES.

As mentioned previously, capacities can change with the placement of regional programs, renovations and additions. In many instances local capacities differ from the state rated capacity. Local K-12 program capacity calculations do not include rooms used for prekindergarten programs. For school year 2019-20, several regional special education and prekindergarten programs were expanded or added, and completion of key capacity projects occurred. As such, rooms were either added to or subtracted from the capacity. Specifically, capacity changed at the following schools:

Table 2.7 School Capacity and Regional Program Changes for School Year 2018-19

School	Change	Reasons
Bellows Spring ES	-25	Added MINC-Preschool/Prekindergarten
Bushy Park ES	-19	Added MINC-Preschool/Prekindergarten
Dayton Oaks ES	25	Removed Infants and Toddlers Program
Ducketts Lane ES	-44	Added MINC-Preschool/Prekindergarten and Regional Academic Life Skills
Elkridge ES	0	Added Preschool (space already allocated)
Gorman Crossing ES	0	Removed MINC-EL (undersized room)
Hanover Hills ES	0	Added MINC-Preschool/Prekindergarten (space already allocated)
Laurel Woods ES	-31	Added MINC-EL and Primary Learner
Manor Woods ES	0	Added Infants and Toddlers Program (relocatable)
Rockburn ES	-25	Added MINC-Preschool/Prekindergarten
Running Brook ES	0	Added Infants and Toddlers Program (relocatable)
Stevens Forest	-19	Added Regional Emotional Disabilities
Triadelphia Ridge ES	25	Removed Infants and Toddlers Program
Waterloo ES	-60	Added MINC-EL
Lime Kiln MS	20	Removed Regional Academic Life Skills, Added Upper Learner
Wilde Lake MS	-39	Removed Upper Learner, Added Academic Life Skills

Capacities

The Adequate Public Facilities Ordinance adopted by the County Council in 2018 requires that HCPSS report State and Local Capacities. State rated capacities are calculated based on a minimum square footage of 550 square feet per elementary teaching station and 500 square feet per middle or high school teaching station. Relocatable classrooms are excluded from the calculation. The formula to calculate state rated capacity is based on the number of the rooms used for a specific purpose (PreKindergarten, Kindergarten, Grade 1-5, Special Education, Grade 6-12 [General], Career and Technology, Alternative Education) multiplied by the number of seats, and then summed:

ES = (# Pre-K x 20) + (# Kindergarten x 22) + (# Grade 1-5 x 23) + (# Special Education x 10)

MS = 85% x (# General x 25) + (# Career x 20) + (# Special Education x 10) + (# Alternative x 15)

HS = 85% x (# General x 25) + (# Career x 20) + (# Special Education x 10) + (# Alternative x 15)

Review and update of State Rated Capacities occur individually on an as needed basis (ex. after additions, new schools). Additionally, the Interagency Commission on School Construction has a committee reviewing SRCs statewide. The methodology to calculate SRCs and/or the SRCs may be updated.

Table 2.8 Local Capacity and State Rated Capacity as of June 2019.

Elementary	Local	State
Atholton ES	424	419
Bellows Spring ES	726	720
Bollman Bridge ES	666	694
Bryant Woods ES	361	362
Bushy Park ES	725	910
Centennial Lane ES	647	544
Clarksville ES	543	581
Clemens Crossing ES	521	544
Cradlerock ES	398	556
Dayton Oaks ES	700	910
Deep Run ES	750	740
Ducketts Lane ES	650	785
Elkridge ES	760	819
Forest Ridge ES	713	660
Fulton ES	826	564
Gorman Crossing ES	735	618
Guilford ES	465	522
Hammond ES	653	525
Hanover Hills ES	810	TBD
Hollifield Station ES	732	564
Ilchester ES	584	564
Jeffers Hill ES	421	435
Laurel Woods ES	609	544
Lisbon ES	527	504
Longfellow ES	512	468
Manor Woods ES	681	564
Northfield ES	700	544
Phelps Luck ES	597	578
Pointers Run ES	744	564
Rockburn ES	584	847
Running Brook ES	515	471
St Johns Lane ES	612	619
Stevens Forest ES	380	320
Swansfield ES	694	601
Talbott Springs ES	377	500
Thunder Hill ES	509	386
Triadelphia Ridge ES	606	564
Veterans ES	799	922
Waterloo ES	603	726
Waverly ES	788	678
West Friendship ES	414	394
Worthington ES	515	589

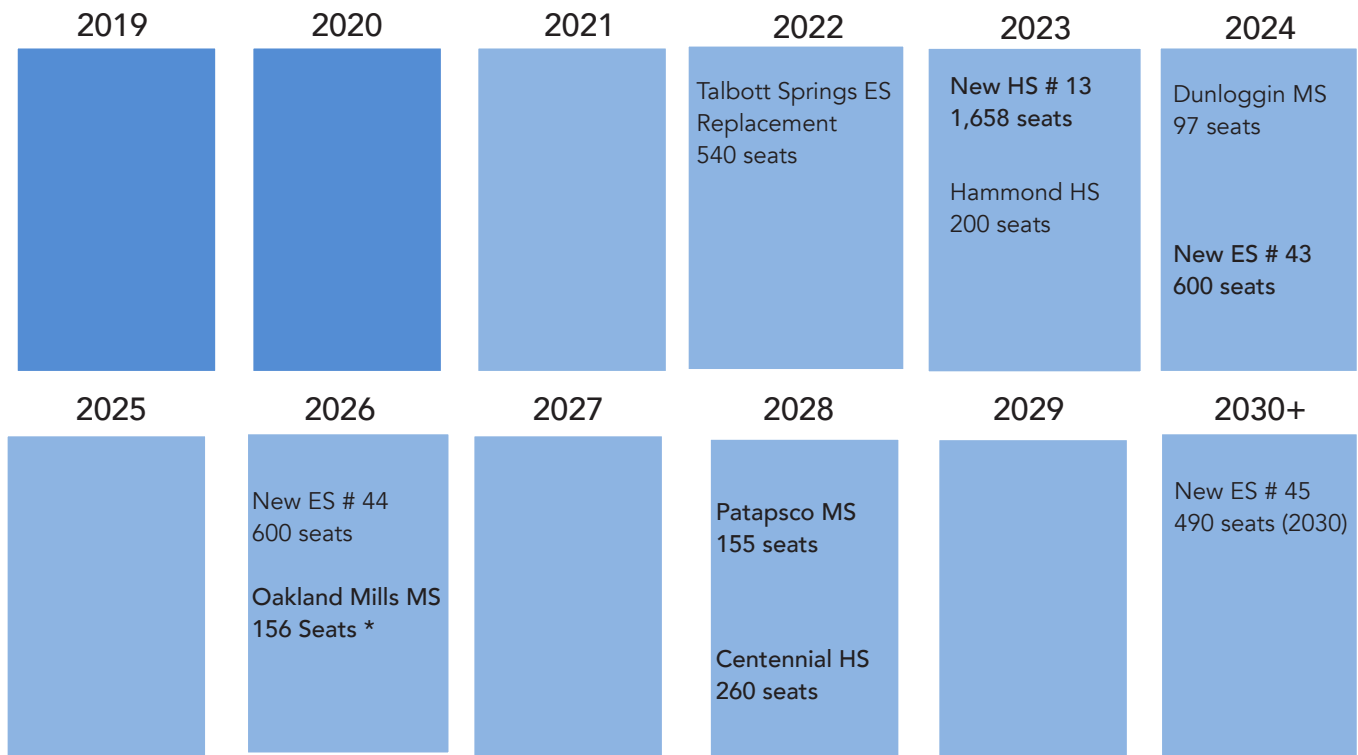
Middle	Local	State
Bonnie Branch MS	701	732
Burleigh Manor MS	779	795
Clarksville MS	643	619
Dunloggin MS	565	619
Elkridge Landing MS	779	760
Ellicott Mills MS	701	816
Folly Quarter MS	662	732
Glenwood MS	545	640
Hammond MS	604	679
Harpers Choice MS	506	619
Lake Elkhorn MS	643	765
Lime Kiln MS	721	732
Mayfield Woods MS	798	773
Mount View MS	798	760
Murray Hill MS	662	685
Oakland Mills MS	506	598
Patapsco MS	643	598
Patuxent Valley MS	760	770
Thomas Viaduct	701	754
Wilde Lake MS	721	590





High	Local	State
Atholton HS	1460	1543
Centennial HS	1360	1091
Glenelg HS	1420	944
Hammond HS	1220	1434
Howard HS	1420	1051
Long Reach HS	1488	1434
Marriotts Ridge HS	1615	1434
Mt Hebron HS	1400	1408
Oakland Mills HS	1400	1135
Reservoir HS	1551	1339
River Hill HS	1488	1483
Wilde Lake HS	1424	1434

Capacities

The FY 2021 Capital Budget will include updates to the long-range plan. Figure 2.7 below shows changes in capacity projects from the 2018 Feasibility Study to the 2019 Feasibility Study. The year shown represents the school year in which occupancy is proposed.

Figure 2.7 Capacity Projects



Key	Bold- New projects or # of seats changed from 2018 Feasibility Study		
			
		Opening date is changed from 2018 Feasibility Study	Estimated FY21 Long-Range Plan

* Recommend replacement of Ellicott Mills MS addition with seats at Oakland Mills MS in conjunction with the school's planned renovation.

Policy Guidance

This document is guided by Board Policy 6010. Projects in the Capital Improvement Program that increase student capacity can be tested in a feasibility study with an attendance area adjustment plan consistent with stated policy goals. Plans will be linked within and across organizational levels to form a short- and long-range attendance area adjustment plan. The Board will review the plan and set direction, as appropriate, during the attendance area adjustment and/or capital budget presentations each year. Policy 6010 discusses consideration of boundary adjustments under certain conditions such as the opening of a school or adjusting to some other change. When school capacity utilization projections fall outside the target capacity utilization range of 90 – 110 percent over a period of time, attendance area adjustments may be considered. One January 24, 2019, the Board directed the Superintendent to provide a comprehensive review of attendance areas in 2019 for school year 2020-21. When boundary line changes are planned, staff will refine the goal-directed short- and long-range plan in the Feasibility Study based on the most current set of projections that conform to Policy 6010 Implementation Procedures. The Superintendent will appoint an advisory committee to provide feedback on the Feasibility Study consistent with the direction set by the Board and the standards and factors in Policy 6010. Various methods will be used to collect additional input from the public. A Superintendent's plan that takes into account the Feasibility Study, as well as committee and community input, is presented to the Board.

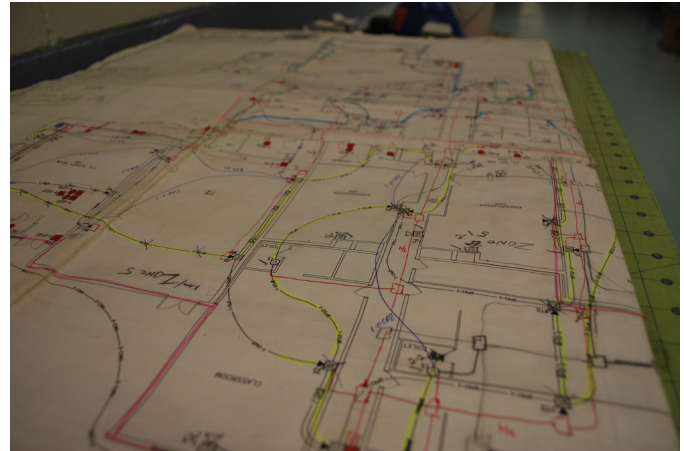
The Board evaluates the Superintendent's plan according to the standards of Policy 6010, which are found in Standards Section B in Appendix A. In the Board's deliberations, new scenarios using these considerations may be reviewed, assessed, and considered. It is unlikely that one plan can fully satisfy all considerations.

The Board reviewed and updated Policy 6010 in 2016, 2018 and in 2019. Changes implemented after the 2017 boundary review included a modified schedule that included the development of a scope early in the process, shortened AAC deliberation, changed the delivery date of the Superintendent's Recommendation to the Board, and provided the Board with more time to hold public hearings and work sessions, as well as adjusted the role of the AAC (review and audit the Feasibility Study considerations and scenario, but no longer receive public input or develop alternative scenarios), and added flexibility to adapt with changes in proposed scope during the process. The current version of the policy can be found in Appendix A (Section 5).



Alignment with Strategic Call to Action

The Strategic Call to Action, a vision built on equity, is fueled by the belief that every student possesses the skills, knowledge and confidence to lead a successful life and positively influence the larger community. The anticipation of growth trends and planning for adequate permanent or temporary space is needed to serve student needs. When attendance area changes are necessary, a student-centered transition process is provided to welcome the students to their new school. These efforts are made to ensure every student achieves academic excellence in an inspiring, engaging, and supportive environment.



Crucial decisions about budget and attendance areas must be the result of an open process that includes many stakeholders. Board decisions need to be informed by both the technical guidance of staff, and the concerns and desires of families and the community. For this reason, the Office of School Planning maintains an extensive web presence and supports many meetings of committees, parent-teacher-associations (PTAs), and other community groups. It is also necessary that the School Planning serves as a liaison to various county and state agencies to communicate agency direction. These efforts ensure that families and the community are engaged and supported as partners in education.

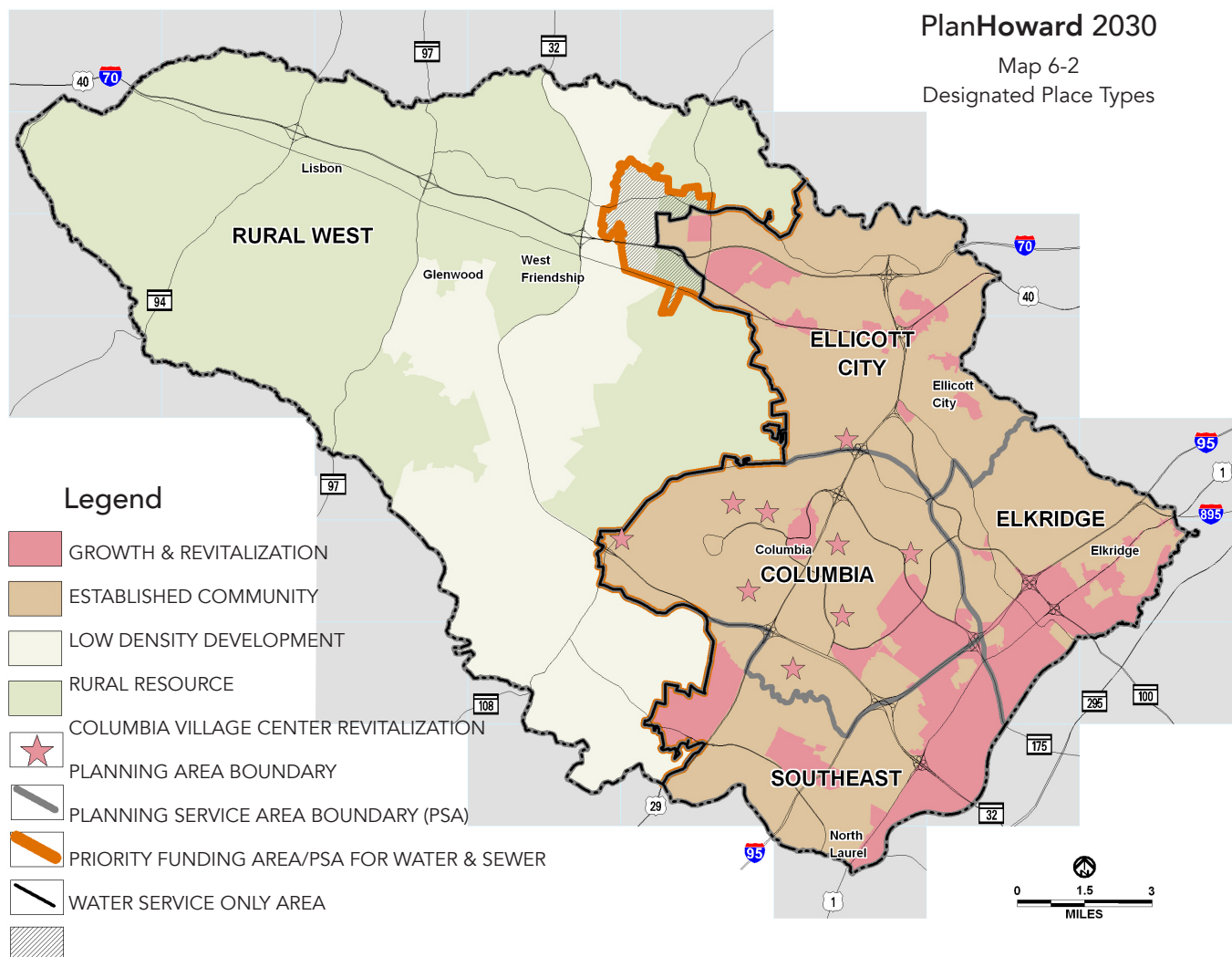


Land Use

The Howard County General Plan, PlanHoward 2030 guides development. This Plan sets forth priorities for growth and redevelopment for the County. It was adopted by the County Council in July 2012, and took effect in October 2013. The General Plan is further implemented by zoning. Zoning tells property owners two things 1) what is permissible to build; and 2) the rules to place buildings on the property.

The General Plan included the adoption of a designated places map. Figure 2.8 depicts the Plan Howard Designated Places map. Most future development, and anticipated school needs, are planned where the map shows "Growth and Revitalization" areas in pink. Generally these are in the eastern part of the county and Columbia's Village Centers. Projected enrollment growth provided in this Feasibility Study is associated with the future development.

Figure 2.8 Plan Howard 2030 Designated Places Map



Land Use

The Department of Planning and Zoning provides the Office of School Planning with the number of existing and projected housing units in the county. Future housing is calculated using a software tool that simulates the residential build-out of the County's remaining undeveloped, residentially-zoned properties under real-world conditions. Constraints imposed by current zoning of properties, the logistics of residential construction, and the growth limits of the County's General Plan are included in the housing projection. The output from this simulation informs the enrollment projection.

The FY 2019-2028 Long-Range Master Plan includes funding requested for new construction of four elementary schools, one high school, the renovation/addition to a high school, and strategically placed middle school additions. The timing of residential development depends upon actual land development applications, which can change. Projections are adjusted yearly to account for phasing of the new residential development.

Figure 2.9 Residential Development



Oxford Square construction.

Verde apartments at Howard Square.



Maple Lawn section shown in 2013 (left) and 2015 (right).

HCPSS Facilities and Land Bank

The HCPSS maintains well over seven million square feet of school facilities and other buildings in service of delivering the educational program and for use by the community. This document examines utilization of the 74 elementary, middle, and high schools, and anticipates future schools.

The HCPSS maintains sites for future school construction, commonly known as the "Land Bank." Some properties are held by other parties and designated on the final development plan as "school open space" for the future use by the Board for school construction. When determined that they are needed, the Board may request to purchase these properties. Most planned school sites result from agreements made during Columbia's planning and development. Howard County has aided the school system in the past through exchanges of county land where needed. Opportunities for additions to the land bank in eastern Howard County are under consideration. The HCPSS is working with Howard County Government to acquire land. Sites in Turf Valley and Mission Road will be added to the HCPSS Land Bank, once purchase is finalized, through the County's process. Figure 2.9 shows the inventory of school sites as presented in the annual capital budget.

HCPSS School Facilities

77 schools
 42 elementary schools
 20 middle schools
 12 high schools
 3 education centers

Table 2.9 Land Bank

Owned Sites	Acreage	Location	Date Acquired	Cost
Sunny Spring Drive (aka Hawthorne Park)	10	Sunny Spring Drive, between Cricket Pass and Golden Hook	1974	\$1.00
Future MS Site	41	2865 Marriottsville Road	2007	\$1,700,000
Faulkner Ridge Center	9.01	10598 Marble Faun Lane	1968	\$1.00
Clary's Forest	10	Little Patuxent Parkway, at its intersection with Bright Passage	2018	\$0.00

Table 2.10 Land Designated as School Open Space Property

Land Designated as School Open Space Property	Acreage	Location
Dickinson Park*	11	Eden Brook Drive, between Sweet Hours Way and Weather Worn Way
Huntington Park*	11	Vollmerhausen Road, between Murray Hill Road and Polished Stone

*On May 9, 2019, the Board of Education voted to approve the acquisition of both the Dickinson Park site and Huntington Park site for the land bank.

Feasibility Study: An Annual Review of Long-Term Capital Planning and Attendance Area Adjustment Options

Section 3

Needs and Strategies

The HCPSS Office of School Planning reviews updated enrollment projections and studies the feasibility of boundary changes, and other means of addressing capacity utilization issues, each year. In years where boundary changes are anticipated, or when the Superintendent has provided direction to review boundary change options, this document serves as the report for the analysis of options.

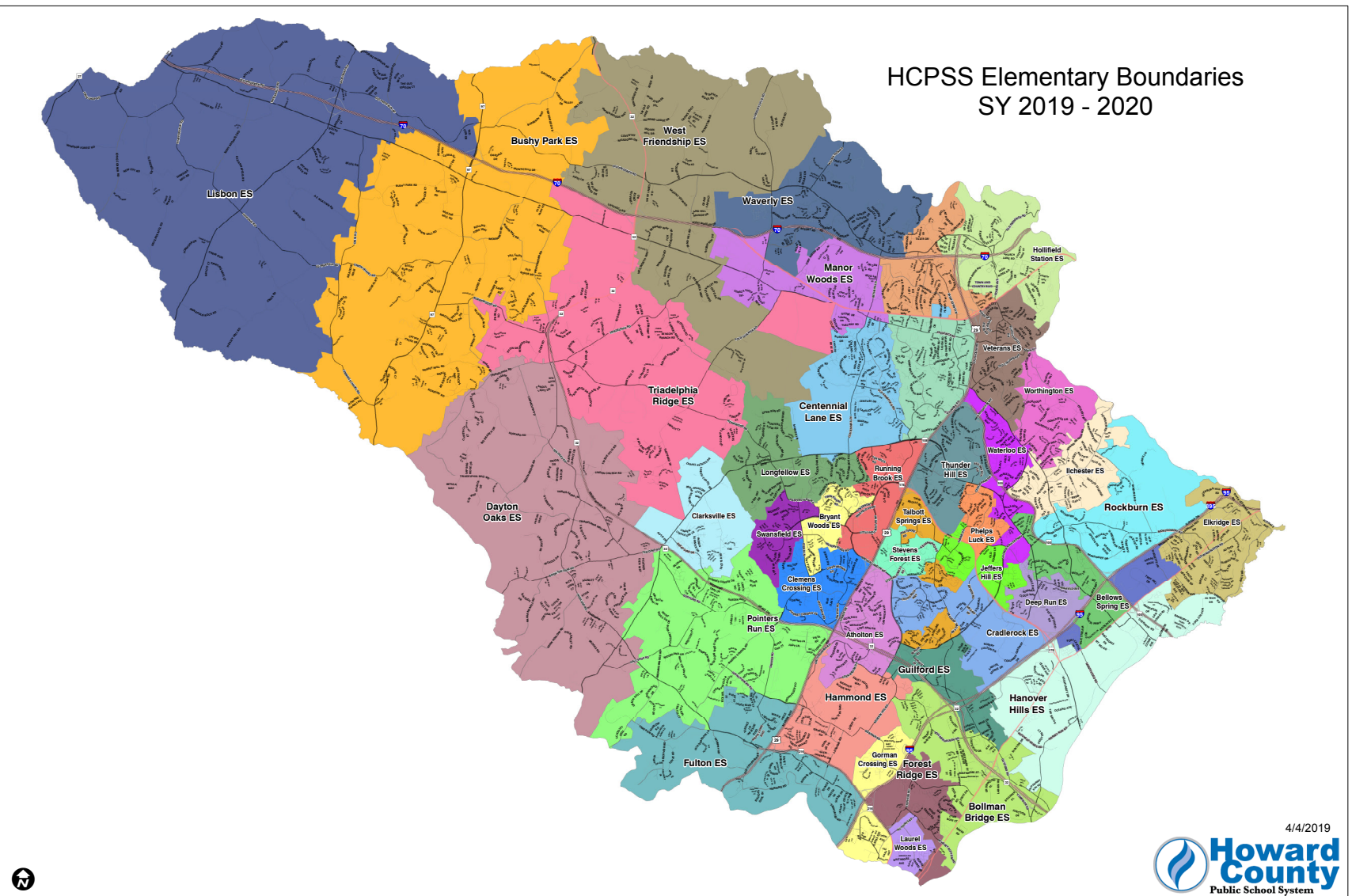
Projections show that HCPSS could have eleven elementary schools, five middle schools, and five high schools outside of the target utilization range of 90 - 110 percent in SY 2020-21. All of these schools have relocatable classrooms, and many will be receiving additional relocatable classrooms prior to the start of the SY 2019-20. Eleven out of these schools are planned for capacity-adding projects, or have a planned new school or project within or adjacent to the attendance area. Several of these projects will be accompanied by boundary adjustments to extend relief to nearby schools.

Prior to examining school boundary adjustments, it is necessary to review the implications of the new projections and identify needs and potential strategies. When school capacity utilization is outside of the target utilization range per Board Policy, (90 - 110 percent), school boundary adjustments may be considered. This section of the document has been simplified to could include a review by level of the seat needs and the multiple strategies that could be implemented through a long-range plan. Implementation strategies could include boundary studies, capacity projects in conjunction with systemic renovations as well as new schools.

Pre-measures charts are included in this section showing the effect of projected enrollment without any attendance area adjustments. The pre-measures format also shows FY 2020 capital projects as requested by the Board in March 2019.

June 2019

Elementary Schools - SY 2019-2020 Boundaries



Elementary Schools Needs

Need: In SY 2019-20, many elementary schools will remain within an acceptable target utilization range per Board Policy 6010 School Attendance Areas; however, there are several schools that are projected to be above 110 percent capacity utilization throughout the county. These include Bryant Woods ES, Centennial Lane ES, Cradlerock ES, Elkridge ES, Fulton ES, Gorman Crossing ES, Hollifield Station ES, Pointers Run ES, St. Johns Lane ES, and Talbott Springs ES. Residential development in the areas of Turf Valley, Maple Lawn, Laurel, and Ellicott City has outpaced school capacity in recent years. Capacity projects at Swansfield ES, Longfellow ES, and Running Brook ES have added needed seats in western Columbia, while the opening of Ducketts Lane ES and Hanover Hills ES has accommodated the enrollment growth in the Route 1 area.

In southern/southeastern county schools, which include Forest Ridge ES, Fulton ES, Gorman ES, and Hammond ES, projections indicate enrollment will exceed capacity by more than 380 students by SY 2024-2025. This indicates the need for additional capacity and boundary adjustments to maximize the infrastructure gained by adding a new elementary school.

Similarly, elementary schools in the northern regions of the county, which include Centennial Lane ES, Hollifield Station ES, Northfield ES, St Johns Lane ES, West Friendship ES and Waverly ES, will require 600-700 additional seats by SY 2024-25. However, with boundary adjustments, adjacent capacity at Bushy Park ES, and Manor Woods ES could offset the need for additional region-wide seats in SY 2026-27.

In Western Columbia, the need for additional seats is projected to be approximately 100 by 2024.

Elementary Schools Strategies

Strategies: Multiple strategies are available at the elementary school level, including to plan new schools for SY 2024-25 (New ES #43), and SY 2026-27 (New ES #44), and boundary adjustments for SY 2020-21. See Section 4 Foreseeable Attendance Area Adjustments Relocatables provide interim capacity to serve current enrollment needs.

- Capacity exists in Western Columbia elementary schools to balance utilization.
- Replacement of Talbott Springs ES in SY 2022-23 could provide capacity to balance utilization in the area.
- Continue to plan for New ES #43 at the Mission Road site for SY 2024-25.
- Some capacity exists in western elementary schools to address crowding.
- Continue to negotiate with the County on acquiring a site at Turf Valley for New ES #44 for opening in SY 2026-27.

The Feasibility Study typically does not analyze regional program placement for early childhood programs. Both K- 5 and early childhood enrollment continue to grow and it is important to discuss these programs in terms of available capacity at the elementary school level. A comprehensive study for early childhood space needs should occur, separate of this document, to include the consideration of relocating early childhood programs, including supports from elementary schools, to regionalized centers in order to regain K-5 capacity rooms and offer centralized, more efficient early childhood programs. Funding for either site acquisition or a lease is a limiting factor to this discussion, but nonetheless, it should be explored to identify a long-range plan.

Elementary Schools Pre-Measures Chart

Pre-Measures

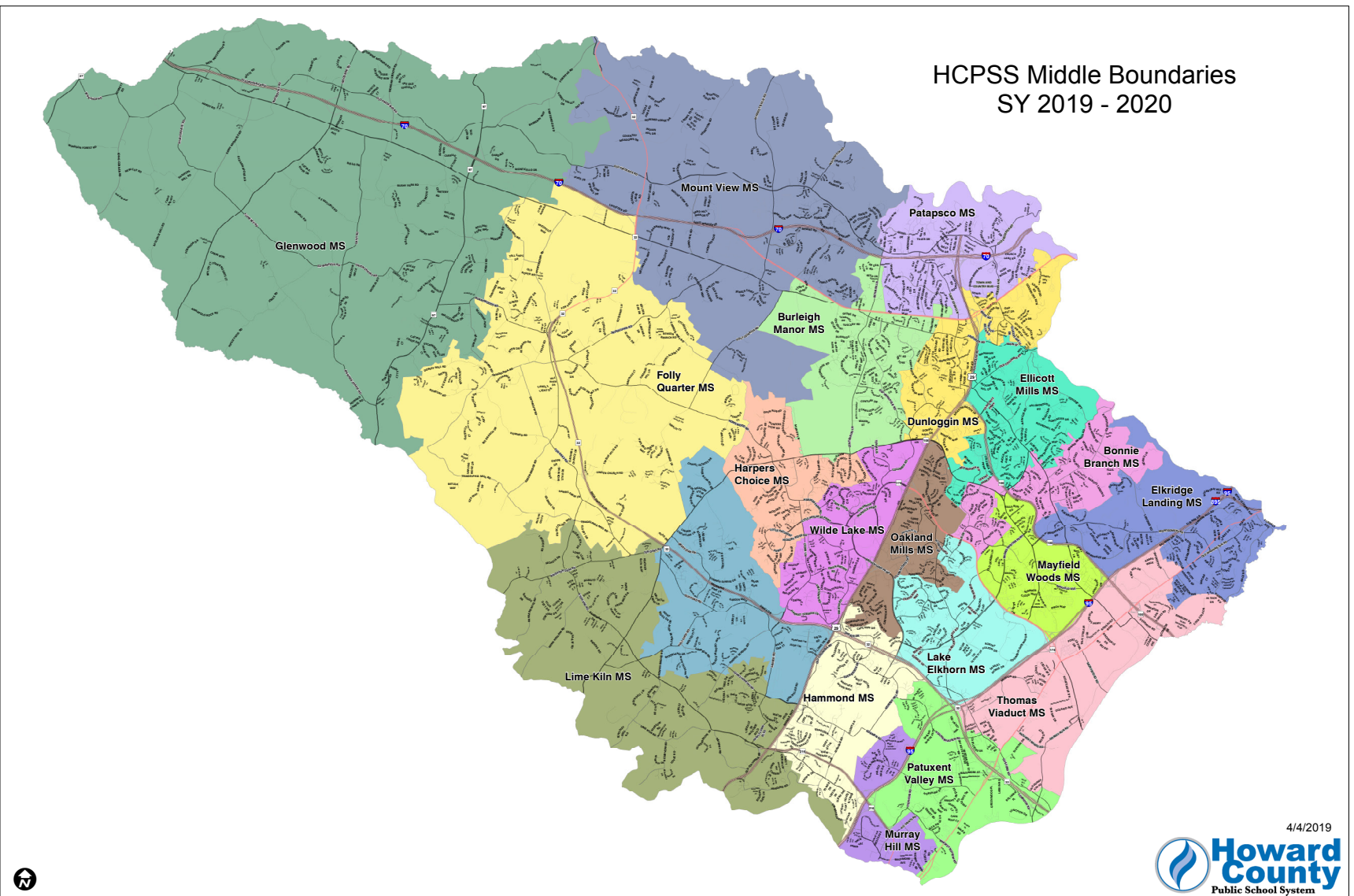
ELEMENTARY SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Board of Education's Requested FY 2020 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, Board of Education's FY 2020 requested capacities, and no boundary adjustments.

Capacity					2019-20		2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31		
School	2019	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Atholton ES	424	424	424	424	424	450	106.1	461	108.7	457	107.8	449	105.9	442	104.2	444	104.7	444	104.7	443	104.5	442	104.2	441	104.0	441	104.0	442	104.2
Bellows Spring ES	751	751	751	751	751	731	97.3	767	102.1	808	107.6	826	110.0	843	112.3	867	115.4	889	118.4	885	117.8	880	117.2	884	117.7	876	116.6	853	113.6
Bollman Bridge ES	666	666	666	666	666	676	101.5	683	102.6	695	104.4	706	106.0	754	113.2	765	114.9	760	114.1	747	112.2	739	111.0	737	110.7	722	108.4	737	110.7
Bryant Woods ES	361	361	361	361	361	432	119.7	451	124.9	465	128.8	475	131.6	478	132.4	489	135.5	495	137.1	500	138.5	508	140.7	518	143.5	528	146.3	534	147.9
Bushy Park ES	744	744	744	744	744	588	79.0	597	80.2	563	75.7	565	75.9	544	73.1	530	71.2	521	70.0	536	72.0	534	71.8	567	76.2	589	79.2	583	78.4
Centennial Lane ES	647	647	647	647	647	734	113.4	715	110.5	718	111.0	736	113.8	727	112.4	741	114.5	757	117.0	768	118.7	788	121.8	788	121.8	801	123.8	803	124.1
Clarksville ES	543	543	543	543	543	392	72.2	381	70.2	388	71.5	377	69.4	367	67.6	364	67.0	379	69.8	380	70.0	379	69.8	399	73.5	400	73.7	406	74.8
Clemens Crossing ES	521	521	521	521	521	522	100.2	548	105.2	595	114.2	591	113.4	605	116.1	620	119.0	633	121.5	660	126.7	670	128.6	693	133.0	715	137.2	727	139.5
Cradlerock ES	398	398	398	398	398	461	115.8	460	115.6	475	119.3	470	118.1	473	118.8	473	118.8	473	118.8	474	119.1	472	118.6	472	118.6	476	119.6	475	119.3
Dayton Oaks ES	675	675	675	675	675	651	96.4	667	98.8	708	104.9	717	106.2	752	111.4	789	116.9	807	119.6	818	121.2	815	120.7	837	124.0	854	126.5	875	129.6
Deep Run ES	750	750	750	750	750	672	89.6	682	90.9	713	95.1	731	97.5	752	100.3	786	104.8	806	107.5	820	109.3	843	112.4	866	115.5	892	118.9	905	120.7
Ducketts Lane ES	694	694	694	694	694	568	81.8	569	82.0	580	83.6	589	84.9	603	86.9	600	86.5	602	86.7	614	88.5	614	88.5	609	87.9	607	87.5	604	87.0
Elkridge ES	760	760	760	760	760	866	113.9	893	117.5	908	119.5	909	119.6	906	119.2	926	121.8	965	127.0	986	129.7	1057	139.1	1116	146.8	1144	150.5	1137	149.6
Forest Ridge ES	713	713	713	713	713	675	94.7	678	95.1	692	97.1	694	97.3	713	100.0	740	103.8	796	111.6	844	118.4	883	123.8	919	128.9	942	132.1	956	134.1
Fulton ES	826	826	826	826	826	981	118.8	1009	122.2	1041	126.0	1038	125.7	1072	129.8	1070	129.5	1067	129.2	1048	126.9	1019	123.4	1025	124.1	1006	121.8	1008	122.0
Gorman Crossing ES	735	735	735	735	735	824	112.1	826	112.4	860	117.0	878	119.5	869	118.2	861	117.1	852	115.9	863	117.4	871	118.5	865	117.7	850	115.6	856	116.5
Guilford ES	465	465	465	465	465	381	81.9	367	78.9	360	77.4	346	74.4	351	75.5	364	78.3	398	85.6	407	87.5	417	89.7	430	92.5	436	93.8	433	93.1
Hammond ES	653	653	653	653	653	634	97.1	618	94.6	614	94.0	626	95.9	658	100.8	696	106.6	728	111.5	752	115.2	802	122.8	827	126.6	853	130.6	866	132.6
Hanover Hills ES	NS	810	810	810	810	687	84.8	723	89.3	705	87.0	713	88.0	706	87.2	697	86.0	697	86.0	694	85.7	729	90.0	752	92.8	747	92.2	737	91.0
Hollifield Station ES	832	732	732	732	732	895	122.3	923	126.1	906	123.8	884	120.8	862	117.8	870	118.9	868	118.6	869	118.7	864	118.0	862	117.8	858	117.2	868	118.6
Ilchester ES	584	584	584	584	584	588	100.7	598	102.4	582	99.7	608	104.1	625	107.0	641	109.8	704	120.5	725	124.1	753	128.9	780	133.6	805	137.8	815	139.6
Jeffers Hill ES	421	421	421	421	421	423	100.5	413	98.1	408	96.9	387	91.9	395	93.8	389	92.4	390	92.6	399	94.8	407	96.7	416	98.8	426	101.2	431	102.4
Laurel Woods ES	640	640	640	640	640	555	86.7	556	86.9	563	88.0	561	87.7	546	85.3	550	85.9	546	85.3	555	86.7	554	86.6	555	86.7	556	86.9	580	90.6
Lisbon ES	527	527	527	527	527	463	87.9	484	91.8	505	95.8	510	96.8	519	98.5	523	99.2	517	98.1	533	101.1	562	106.6	590	112.0	594	112.7	597	113.3
Longfellow ES	512	512	512	512	512	425	83.0	438	85.5	452	88.3	468	91.4	470	91.8	474	92.6	490	95.7	499	97.5	507	99.0	520	101.6	529	103.3	535	104.5
Manor Woods ES	681	681	681	681	681	632	92.8	624	91.6	630	92.5	611	89.7	638	93.7	607	89.1	597	87.7	613	90.0	607	89.1	615	90.3	621	91.2	624	91.6
New ES #43	NS	0	0	0	0																								
New ES #44	NS	0	0	0	0																								
New ES #45	NS	0	0	0	0																								
Northfield ES	700	700	700	700	700	753	107.6	759	108.4	776	110.9	772	110.3	796	113.7	824	117.7	842	120.3	876	125.1	899	128.4	939	134.1	960	137.1	962	137.4
Phelps Luck ES	597	597	597	597	597	553	92.6	566	94.8	583	97.7	583	97.7	596	99.8	584	97.8	594	99.5	593	99.3	591	99.0	613	102.7	623	104.4	630	105.5
Pointers Run ES	744	744	744	744	744	884	118.8	925	124.3	974	130.9	1018	136.8	1058	142.2	1060	142.5	1056	141.9	1035	139.1	1010	135.8	973	130.8	940	126.3	909	122.2
Rockburn ES	609	609	609	609	609	568	93.3	593	97.4	611	100.3	611	100.3	627	103.0	638	104.8	654	107.4	676	111.0	677	111.2	678	111.3	673	110.5	663	108.9
Running Brook ES	515	515	515	515	515	467	90.7	468	90.9	471	91.5	500	97.1	551	107.0	583	112.6	610	118.4	644	125.0	673	130.7	712	138.3	724	140.6	749	145.4
St Johns Lane ES	612	612	612	612	612	724	118.3	726	118.6	735	120.1	750	122.5	768	125.5	787	128.6	805	131.5	806	131.7	804	131.4	795	129.9	788	128.8	785	128.3
Stevens Forest ES	399	399	399	399	399	403	101.0	414	103.8	420	105.3	427	107.0	440	110.3	435	109.0	434	108.8	435	109.0	439	110.0	439	110.0	438	109.8	439	110.0
Swansfield ES	694	694	694	694	694	563	81.1	547	78.8	538	77.5	536	77.2	538	77.5	535	77.1	542	78.1	545	78.5	555	80.0	572	82.4	582	83.9	591	85.2
Talbot Springs ES	R	377	377	377	540	465	123.3	465	123.3	442	117.2	426	78.9	406	75.2	409	75.7	422	78.1	425	78.7	439	81.3	458	84.8	477	88.3	487	90.2
Thunder Hill ES	509	509	509	509	509	512	100.6	508	99.8	487	95.7	485	95.3	467	91.7	466	91.6	468	91.9	467	91.7	489	96.1	499	98.0	511	100.4	516	101.4
Triadelphia Ridge ES	581	581	581	581	581	544	93.6	542	93.3	541	93.1	551	94.8	554	95.4	552	95.0	566	97.4	565	97.2	562	96.7	558	96.0	542	93.3	529	91.0
Veterans ES	799	799	799	799	799	844	105.6	822	102.9	808	101.1	799	100.0	794	99.4	801	100.3	800	100.1	830	103.9	867	108.5	867	108.5	868	108.6	864	108.1
Waterloo ES	663	663	663	663	663	539	81.3	548	82.7	525	79.2	521	78.6	486	73.3	508	76.6	519	78.3	526	79.3	531	80.1	557	84.8	569	85.8	573	86.4
Waverly ES	A	788	788	788	788	857	108.8	886	112.4	890	112.9	894	113.5	898	114.1	918	116.5	912	115.7	898	114.0	906	115.0	9					

Middle Schools - SY 2019-2020 Boundaries



Middle Schools Needs and Strategies

Need: Countywide, middle school utilization is fairly distributed with most schools between 95 percent and 115 percent in SY 2019-20. The exceptions are Lake Elkhorn MS and Ellicott Mills MS with projected utilization of 89 and 131 percent utilization, respectively. Enrollment growth continues at several schools including Dunloggin MS, Ellicott Mills MS, Hammond MS, Murray Hill MS, Patapsco MS, and Thomas Viaduct MS. The most crowded middle school area is around Ellicott City, and include Dunloggin MS, Ellicott Mills MS, and Patapsco MS. To bring these schools within target utilization requires approximately 350 seats.

Strategy: The existing and projected enrollment indicates additions as the most efficient strategy for addressing high utilization. Existing land options to host new a middle school are minimal. There are existing schools with planned or proposed renovations and adding new seats to these schools is timely, fiscally prudent and accommodates the projected needs in the Ellicott City area. The strategy should include additions of 100 seats at Dunloggin MS, 150 seats at Oakland Mills MS and 150 seats at Patapsco MS. These additions and accompanying boundary review could bring these schools, as well as Ellicott Mills MS into target utilization for the foreseeable future.

In the Laurel area, Murray Hill MS could be relieved using adjacent capacity at Patuxent Valley MS for SY 2020-21. Some boundary adjustments are proposed for consideration primarily to align the high school from middle school feeds in the high school boundary options found in Section 4 of this report.

Middle Schools - Pre-Measures Chart

Pre-Measures

MIDDLE SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Board of Education's Requested FY 2020 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, Board of Education's FY 2020 requested capacities, and no boundary adjustments.

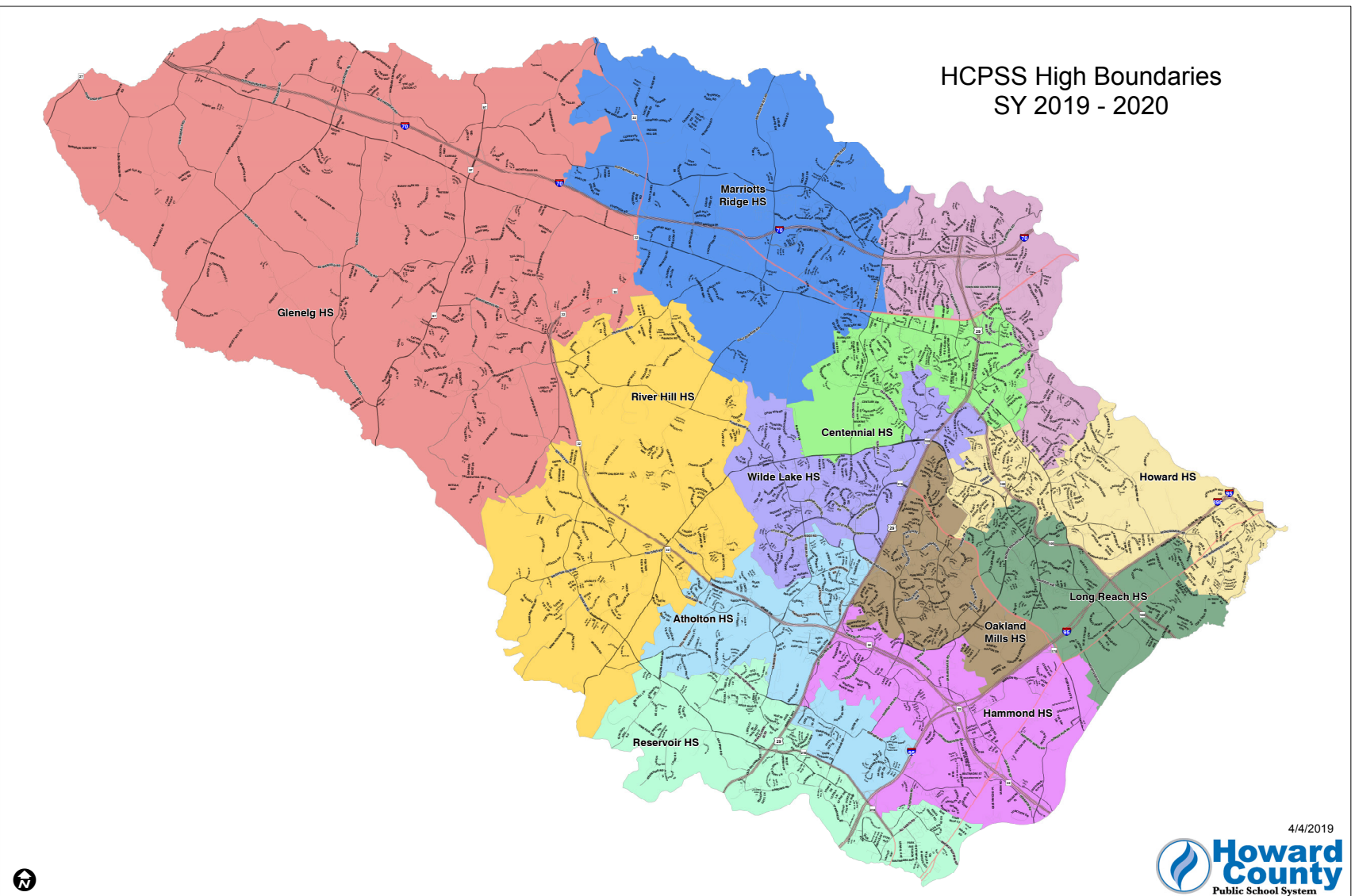
School	Capacity					2019-20		2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
	2019	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Bonnie Branch MS	701	701	701	701	701	721	102.9	691	98.6	654	93.3	656	93.6	651	92.9	693	98.9	706	100.7	740	105.6	712	101.6	724	103.3	717	102.3	749	106.8
Burleigh Manor MS	779	779	779	779	779	790	101.4	806	103.5	804	103.2	806	103.5	778	99.9	784	100.6	793	101.8	798	102.4	785	100.8	778	99.9	777	99.7	788	101.2
Clarksville MS	643	643	643	643	643	701	109.0	704	109.5	697	108.4	673	104.7	674	104.8	701	109.0	705	109.6	714	111.0	715	111.2	721	112.1	723	112.4	722	112.3
Dunloggin MS	A	565	565	565	565	657	116.3	652	115.4	658	116.5	673	119.1	671	118.8	676	102.1	673	101.7	689	104.1	692	104.5	681	102.9	677	102.3	691	104.4
Elkridge Landing MS		779	779	779	779	762	97.8	747	95.9	768	98.6	820	105.3	857	110.0	867	111.3	859	110.3	882	113.2	892	114.5	904	116.0	907	116.4	941	120.8
Ellicott Mills MS	A	701	701	701	857	917	130.8	910	129.8	912	130.1	884	126.1	893	104.2	878	102.5	866	101.1	861	100.5	860	100.4	863	100.7	860	100.4	913	106.5
Folly Quarter MS		662	662	662	662	704	106.3	674	101.8	677	102.3	664	100.3	660	99.7	649	98.0	668	100.9	679	102.6	700	105.7	692	104.5	701	105.9	710	107.3
Glenwood MS		545	545	545	545	508	93.2	532	97.6	527	96.7	504	92.5	502	92.1	499	91.6	521	95.6	539	98.9	553	101.5	549	100.7	553	101.5	557	102.2
Hammond MS		604	604	604	604	626	103.6	702	116.2	724	119.9	746	123.5	737	122.0	762	126.2	768	127.2	801	132.6	809	133.9	829	137.3	836	138.4	864	143.0
Harpers Choice MS		506	506	506	506	490	96.8	490	96.8	485	95.8	457	90.3	439	86.8	453	89.5	462	91.3	477	94.3	470	92.9	473	93.5	463	91.5	473	93.5
Lake Elkhorn MS		643	643	643	643	572	89.0	555	86.3	503	78.2	503	78.2	486	75.6	501	77.9	481	74.8	489	76.0	479	74.5	476	74.0	473	73.6	482	75.0
Lime Kiln MS		701	701	701	701	656	93.6	676	96.4	675	96.3	718	102.4	737	105.1	743	106.0	751	107.1	774	110.4	817	116.5	803	114.6	825	117.7	809	115.4
Mayfield Woods MS		798	798	798	798	795	99.6	842	105.5	839	105.1	833	104.4	822	103.0	850	106.5	868	108.8	915	114.7	935	117.2	936	117.3	923	115.7	946	118.5
Mount View MS		798	798	798	798	849	106.4	842	105.5	895	112.2	911	114.2	911	114.2	940	117.8	944	118.3	968	121.3	972	121.8	968	121.3	970	121.6	971	121.7
Murray Hill MS		662	662	662	662	747	112.8	799	120.7	785	118.6	775	117.1	808	122.1	847	127.9	859	129.8	829	125.2	836	126.3	832	125.7	843	127.3	843	127.3
New MS #21	NS	0	0	0	0																								
Oakland Mills MS		506	506	506	506	513	101.4	500	98.8	498	98.4	510	100.8	519	102.6	516	102.0	509	100.6	510	100.8	491	97.0	494	97.6	488	96.4	507	100.2
Patapsco MS		643	643	643	643	745	115.9	775	120.5	834	129.7	865	134.5	879	136.7	885	137.6	889	138.3	900	140.0	903	140.4	902	140.3	895	139.2	892	138.7
Patuxent Valley MS		760	760	760	760	703	92.5	715	94.1	687	90.4	695	91.4	673	88.6	682	89.7	679	89.3	714	93.9	723	95.1	723	95.1	738	97.1	766	100.8
Thomas Viaduct MS		701	701	701	701	714	101.9	748	106.7	781	111.4	763	108.8	781	111.4	773	110.3	778	111.0	769	109.7	783	111.7	806	115.0	832	118.7	843	120.3
Wilde Lake MS		760	760	760	760	651	85.7	655	86.2	669	88.0	695	91.4	704	92.6	730	96.1	767	100.9	797	104.9	839	110.4	836	110.0	873	114.9	897	118.0
Countywide Totals		13457	13457	13457	13457	13613	102.7	14015	104.1	14072	104.6	14151	105.2	14182	104.2	14429	105.2	14546	106.1	14845	108.3	14966	109.2	14990	109.3	15074	109.9	15364	112.1

'A' includes additions as reflected in FY 2020 CIP for grades 6-8

'NS' New School proposed in FY 2020 Capital Budget

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

High Schools - SY 2019-2020 Boundaries



High Schools Needs and Strategies

Need: Countywide, many high schools are projected to be within target utilization in SY 2019-20. The exceptions are Centennial HS, Hammond HS, Howard HS, Long Reach HS, and Mt. Hebron HS. Some improvements to utilization can be realized through boundary adjustments; however, countywide need is projected to begin to exceed 110 percent in SY 2022-23. The majority of the growth at the high school level is concentrated in Ellicott City as well as the Route 1 Corridor in Elkridge, Hanover, and Jessup. All high schools are projected to continue to see growth in the 10-year planning period.

Strategy: Continue to construct the New HS #13 in Jessup and Hammond HS addition for opening in SY 2023-24. The boundary process to open HS #13 would occur in Summer 2022, for implementation in SY 2023-24. Boundary scenarios for SY 2020-21, included in this document, considered utilizing available capacity at Glenelg HS, Marriotts Ridge HS, Oakland Mills HS and River Hill HS. Additionally, consideration is given to how those seats can be used in the longer term, after the opening of HS #13. Boundaries will be reevaluated for the opening of HS #13, but attempts to alleviate crowding and small feeds to Long Reach HS from Elkridge Landing MS are considered for the interim.

Per Policy 6010, rising seniors are not affected by approved boundary changes, and the Board of Education has the discretion to consider rising 11th graders as exempt from any proposed changes.

Based on continued growth throughout the long range projections at the high school level, staff will continue to monitor the projection trends and look for school sites to plan for future high school additions or new schools.

High Schools - Pre-Measures Chart

Pre-Measures

HIGH SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Board of Education's Requested FY 2020 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, Board of Education's FY 2020 requested capacities, and no boundary adjustments.

*All data reflects May 2019 Projections. Board of Education's FY 2020 revenue and capacity projections are based on 2019 boundary changes.																													
	Capacity					2019-20		2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
School	2019	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Atholton HS	1460	1460	1460	1460	1460	1488	101.9	1482	101.5	1461	100.1	1478	101.2	1529	104.7	1537	105.3	1567	107.3	1579	108.2	1589	108.8	1640	112.3	1667	114.2	1690	115.8
Centennial HS	1360	1360	1360	1360	1360	1635	120.2	1634	120.1	1641	120.7	1677	123.3	1689	124.2	1698	124.9	1697	124.8	1678	123.4	1673	123.0	1676	103.5	1670	103.1	1668	103.0
Glenelg HS	1420	1420	1420	1420	1420	1193	84.0	1164	82.0	1186	83.5	1177	82.9	1193	84.0	1202	84.6	1175	82.7	1165	82.0	1171	82.5	1185	83.5	1225	86.3	1246	87.7
Hammond HS	1220	1220	1220	1220	1420	1380	113.1	1414	115.9	1448	118.7	1503	123.2	1576	111.0	1621	114.2	1653	116.4	1632	114.9	1643	115.7	1664	117.2	1676	118.0	1714	120.7
Howard HS	1420	1420	1420	1420	1420	1921	135.3	1926	135.6	1968	138.6	2006	141.3	2021	142.3	2028	142.8	2053	144.6	2067	145.6	2128	149.9	2145	151.1	2163	152.3	2169	152.7
Long Reach HS	1488	1488	1488	1488	1488	1658	111.4	1691	113.6	1799	120.9	1972	132.5	2053	138.0	2108	141.7	2141	143.9	2155	144.8	2179	146.4	2213	148.7	2277	153.0	2310	155.2
Marriotts Ridge HS	1615	1615	1615	1615	1615	1477	91.5	1530	94.7	1566	97.0	1602	99.2	1620	100.3	1661	102.8	1706	105.6	1687	104.5	1716	106.3	1708	105.8	1699	105.2	1737	107.6
Mt Hebron HS	1400	1400	1400	1400	1400	1636	116.9	1644	117.4	1677	119.8	1713	122.4	1735	123.9	1791	127.9	1860	132.9	1877	134.1	1906	136.1	1914	136.7	1914	136.7	1913	136.6
New HS #13	NS	0	0	0	0	1658																							
New HS #14	NS	0	0	0	0	0																							
Oakland Mills HS	1400	1400	1400	1400	1400	1318	94.1	1341	95.8	1386	99.0	1394	99.6	1357	96.9	1326	94.7	1298	92.7	1285	91.8	1296	92.6	1287	91.9	1276	91.1	1264	90.3
Reservoir HS	1551	1551	1551	1551	1551	1629	105.0	1698	109.5	1737	112.0	1819	117.3	1884	121.5	1908	123.0	1957	126.2	1999	128.9	1990	128.3	2056	132.6	2076	133.8	2096	135.1
River Hill HS	1488	1488	1488	1488	1488	1402	94.2	1462	98.3	1489	100.1	1365	91.7	1405	94.4	1358	91.3	1333	89.6	1313	88.2	1316	88.4	1332	89.5	1357	91.2	1394	93.7
Wilke Lake HS	1424	1424	1424	1424	1424	1341	94.2	1349	94.7	1341	94.2	1344	94.4	1370	96.2	1347	94.6	1348	94.7	1346	94.5	1356	95.2	1391	97.7	1437	100.9	1478	103.8
Countywide Totals	17246	17246	17246	17246	19104	18078	104.8	18335	106.3	18699	108.4	19050	110.5	19432	101.7	19585	102.5	19788	103.6	19783	103.6	19963	104.5	20211	96.3	20437	97.4	20679	98.6

NS' New School proposed in FY 2020 Capital Budget

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

These reports represent the "base" data, which is based on current school boundaries.

See page 35 for information about the data used in these reports.

Data

Free and Reduced-Priced Meals Program (FARM):

The data shows the percentage of population participating in the Free and Reduced-Priced Meals Program (FARM) living in each schools' attendance area before and after the proposed redistricting plan. These percentages are calculated using official SY 2018-19 enrollment data and Official October 2018 FARM participation reporting data. Geographic assignment is used, and records are aggregated by current and proposed attendance areas. These numbers are for planning purposes, and may not exactly match other reported numbers due to differences in timing and methodology. In adherence with the Family Educational Rights and Privacy Act of 1974 (FERPA), which restricts access to student records, values $\leq 5\%$ have been replaced with " $\leq 5\%$ " and values $\geq 95\%$ have been replaced with " $\geq 95\%$ ".

Testing:

Testing data for Elementary and Middle Schools is comprised of spring 2018 test takers in grades 3-8 with the Partnership for Assessment of Readiness for College and Careers (PARCC) Assessments English or PARCC Math score. Students were marked proficient based on the criteria below. Testing data for High Schools is comprised of Fall 2018 test takers in grades 9-11 with a PSAT score. Students were marked proficient based on the criteria below. These data shown here may not match other reported data due to differences in timing and calculation methodology. In adherence with the Family Educational Rights and Privacy Act of 1974 (FERPA), which restricts access to student records, values $\leq 5\%$ have been replaced with " $\leq 5\%$ " and values $\geq 95\%$ have been replaced with " $\geq 95\%$ ".

Grade	English Assessment	English Prof Level	Math Assessment	Math Prof Level
5-8	PARCC ELA	750	PARCC Math	750
10	PSAT 8/9	410	PSAT 8/9	450
11	PSAT NMSQT	430	PSAT NMSQT	480
12	PSAT NMSQT	460	PSAT NMSQT	510

English for Speakers of Other Languages (ESOL):

The data shows the percentage of students receiving English Second Language support living in each schools' attendance area before and after each boundary option. These percentages are calculated from fall 2018 student data using geographic assignment, aggregated by current and proposed attendance areas. These numbers may not exactly match other reported numbers due to differences in timing and methodology. In adherence with the Family Educational Rights and Privacy Act of 1974 (FERPA), which restricts access to student records, values $\leq 5\%$ have been replaced with " $\leq 5\%$ " and values $\geq 95\%$ have been replaced with " $\geq 95\%$ ".

Race:

The data shows the % of students by race/ethnicity living in each schools' attendance area before and after the each boundary option. These percentages are calculated from fall 2018 student data using geographic assignment, aggregated by current and proposed attendance areas. These numbers may not exactly match other reported numbers due to differences in timing and methodology. In adherence with the Family Educational Rights and Privacy Act of 1974 (FERPA), which restricts access to student records, values $\leq 5\%$ have been replaced with " $\leq 5\%$ " and values $\geq 95\%$ have been replaced with " $\geq 95\%$ ".

Some options may indicate no change of demographic data for one or more of the schools. A school's geography may not be impacted by the scenario's boundary changes, or the boundary change minimally affects the specific measure so the resulting percentage remains the same.

Feasibility Study:
An Annual Review of Long-Term Capital
Planning and Attendance Area Adjustment Options

Section 4

Foreseeable Attendance Area Adjustments

This report includes considerations for review of boundary adjustments for the 2020-21 school year.

The effects of the scenarios tested for this report on capacity utilization are depicted in tabular form on the following pages. The tables are presented for each organizational level (elementary, middle, and high) using a pre-/post-measures format. The pre-measures charts are included in the Needs and Strategies Section.

The post-measures format shows the impact of projected enrollment with some capital plans discussed in this document. The post-measures format includes capital projects recommended in this document for the FY 2021 Capital Budget. If these projects are not approved, other plans must be developed.

Following the description and maps of each option are reports displaying the plan's impacts based on the standards in Policy 6010. Explanation of the data used can be found on page 35.

Foreseeable Attendance Area Adjustments Summary

As enrollment in Howard county schools continues to increase and as capacity projects come online, boundary adjustments are a necessary tool in alleviating crowded schools. HCPSS school attendance areas have been modified in recent years to open Ducketts Lane ES (2013), Thomas Viaduct MS (2014), and Hanover Hills ES (2018). These changes were all triggered by the opening of a new school, and the need to create an attendance area for the new capital project. In 2013, however, boundaries were changed in response to existing and projected crowding of elementary schools in the southeastern portion of the county (Laurel, Maple Lawn and Fulton). This was the last time boundaries were adjusted without the opening of a new school. Since not all schools with projected capacity utilization concerns will be relieved by future capital improvements, and many of the planned projects are several years away, boundary adjustments can be used to provide immediate relief.

In the 2017 Feasibility Study, a boundary adjustment plan was proposed that would have reassigned over 8,000 students across all three levels. That proposal was the only option offered by HCPSS staff to begin the conversation about opening Hanover Hills ES and balancing capacity utilization across the county. The Board adopted changes to create a boundary for Hanover Hills ES and address a few feed issues. The Board also decided to continue the discussion on boundary changes into the 2018 Feasibility Study process based the advancement of changes for HS #13 and Hammond HS in the Capital Budget. Additionally, in 2017, the Board also adopted a proposal for JumpStart, giving priority to Howard HS, Long Reach HS and Centennial HS students to enroll in this dual enrollment program initiative offered at Oakland Mills HS or River Hill HS.

This section offers a variety of options to relieve school crowding using existing capacity. Some options require sending and receiving student reassignment to access capacity at schools across the county. Other options take advantage of available capacity at adjacent schools, and require little adjustment.

There are no perfect plans, and while all Policy 6010 factors are considered, there is no one plan can reconcile each school attendance area adjustment with all factors. For example, an option that best balances utilization amongst a group of schools may require extensive student reassignment, longer transportation routes or a less diverse student body at one or more schools. An option that maintains the best feed breakdown from level to level may not provide evenly distributed capacity utilization.

The boundary options that follow are focused on alleviating crowding in the most crowded areas of the county using capacity at schools with low capacity utilization. Some schools projected to be crowded are not included in these options because other strategies (capital projects) are in process to provide relief. This report does not, and could not, contain all of the possible options for balancing capacity utilization in a particular area or school level. **These options represent the initial stage in the requested comprehensive boundary review.** Additionally, they are presented so that community members can choose to combine or modify ideas to develop suggestions for the Superintendent prior to the next stage of the boundary review process; the Superintendent's recommendation to the Board. These are options that offer a desirable balance in capacity utilization, with manageable compromises to other Policy 6010 criteria such as neighborhood continuity, and demographics. These ideas will be explored and analyzed by the Superintendent's Advisory Group, and additional options and alternatives will be developed and analyzed by a boundary review consultant, staff and the Board.

Foreseeable Attendance Area Adjustments High Summary

High School Boundary Review

The high school options center around accessing available capacity at Glenelg HS, Marriotts Ridge HS, Wilde Lake HS, and River Hill HS to relieve schools above target utilization in the northern and eastern portions of the county. In order to access this capacity, three major concessions will be considered. First, some neighborhoods that have traditionally attended their nearest school may be assigned to a school outside of their immediate area. For instance, in order to utilize seats at Marriotts Ridge HS, neighborhoods close to Centennial HS or Mt. Hebron HS could be reassigned to Marriotts Ridge HS. Boundaries for schools in the central and western regions of the county need to extend east to relieve the crowded schools of that region. Secondly, many of the schools in these areas need to send and receive students to access available western capacity. Some schools between the crowded schools and those with available capacity must function as "pass throughs" to use available capacity. Thirdly, without additional high school capacity, it will be necessary to utilize most schools above the Policy-defined target utilization range of 90 to 110 percent.

With HS #13 scheduled to open in SY 2023-24, in the areas to be relieved by these plan options, consideration should be given to the frequency of reassignment in these areas over the four year period. Deliberations for the HS #13 boundary review will begin in the Spring of 2022. A sample plan for HS #13 is located at the end of this section.

High School Option # 1 - Summary and Polygon Moves

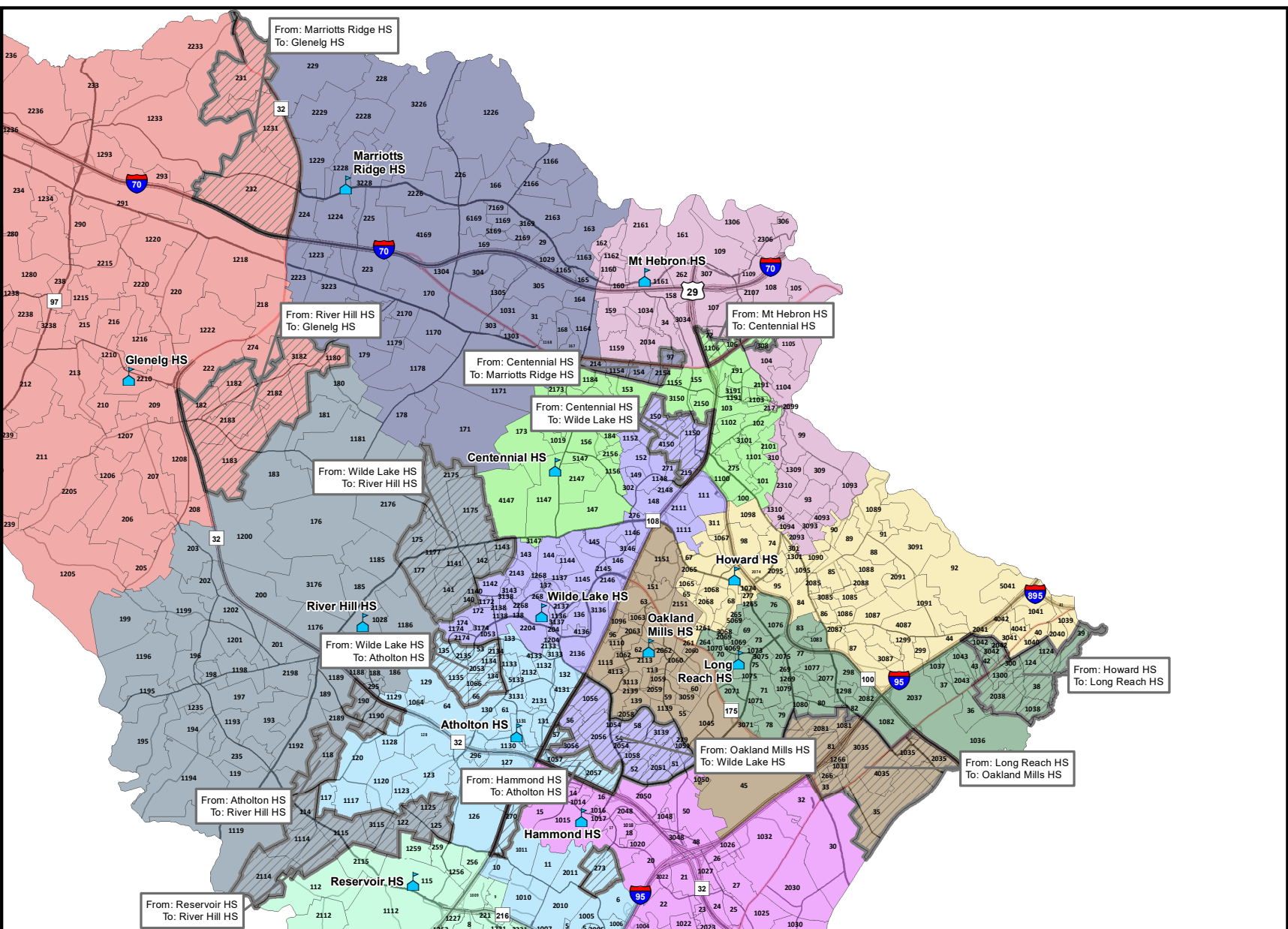
High School Option #1

This option has the benefit of bringing all schools under 120% through SY 2022-23. This plan requires re-assigning approximately 2,500 projected (SY 2020-21) high school students. This option makes adjustments to the all of the high school boundaries. Seven schools both send and receive students. This option uses all high schools to access capacity, starting with Howard HS sending to Long Reach HS, and Long Reach HS sending to Oakland Mills HS. Wilde Lake HS and Atholton HS then receive students from Oakland Mills HS, while sending students to River Hill HS. In the Ellicott City area, Mt. Hebron HS sends students to Centennial HS, which has capacity available due to sending neighborhoods to Marriotts Ridge HS and Wilde Lake HS. Finally, capacity at Glenelg HS is used to balance River Hill HS and Marriotts Ridge HS. The most impacted schools in this option are Long Reach HS, Wilde Lake HS, and Oakland Mills HS, each with boundary changes impacting approximately 800 projected students. This option does include corresponding moves at the middle school level encompassing approximately 300 projected students in SY 2020-21.

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Harper's Choice MS	Wilde Lake MS	76	53, 135, 1135, 2053, 2153
Mount View MS	Glenwood MS	46	231, 232, 1231
Murray Hill MS	Patuxent Valley MS	78	121, 1121
Oakland Mills MS	Wilde Lake MS	47	56, 1056, 2056, 3056
Wilde Lake MS	Harper's Choice MS	61	137, 268, 1137, 1268
Total		308	

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Atholton HS	River Hill HS	98	118, 190, 1190
Centennial HS	Marriotts Ridge HS	246	97, 154, 214, 1154, 2154
Centennial HS	Wilde Lake HS	120	150, 219, 1150, 4150
Hammond HS	Atholton HS	64	57, 270, 273, 1057, 2057
Howard HS	Long Reach HS	359	38, 39, 42, 124, 300, 1038, 1042, 1124, 1300, 2038, 2042, 3042
Long Reach HS	Oakland Mills HS	512	33, 35, 81, 266, 1033, 1035, 1081, 1266, 2035, 2081, 3035, 4035
Marriotts Ridge HS	Glenelg HS	62	231, 232, 1231
Mt Hebron HS	Centennial HS	176	106, 308, 1106, 2308
Oakland Mills HS	Wilde Lake HS	383	51, 52, 54, 56, 58, 279, 1051, 1054, 1056, 1058, 2051, 2054, 2056, 3056, 3139
Reservoir HS	River Hill HS	87	114, 122, 125, 1114, 1115, 1125, 2114, 3115
River Hill HS	Glenelg HS	144	182, 1180, 1182, 1183, 2182, 2183, 3182
Wilde Lake HS	Atholton HS	163	53, 66, 134, 135, 1066, 1134, 1135, 2053, 2134, 2135
Wilde Lake HS	River Hill HS	83	140, 141, 142, 175, 177, 1141, 1143, 1175, 1177, 2175
Total		2,497	

High School Option # 1 - High School Map



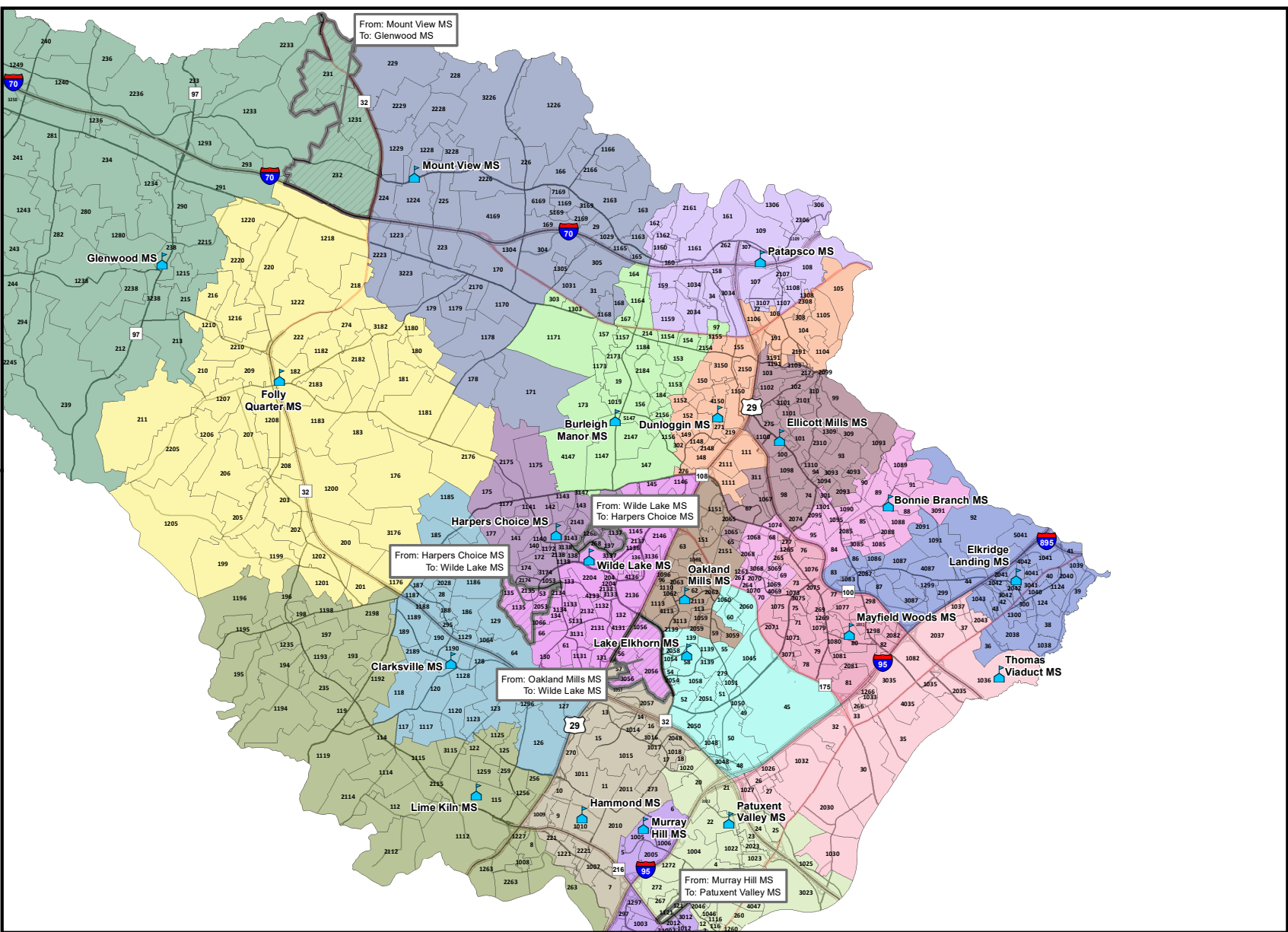
2019 Feasibility Study Boundary Review

HS Option #1 (High School Boundaries)

Showing proposed boundaries and areas reassigned for this option.



High School Option # 1 - Middle School Map



2019 Feasibility Study Boundary Review

HS Option #1 (Middle Boundaries)

Showing proposed boundaries and areas reassigned for this option.



High School Option # 1 - High and Middle Post Measures

Post-Measures

High School Option 1

HIGH SCHOOLS - Data for Demonstrative Purposes Only
Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

School	Capacity				2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Atholton HS	1460	1460	1460	1460	1611	110.3	1592	109.0	1616	110.7	1671	114.5	1682	115.2	1717	117.6	1727	118.3	1741	119.2	1796	123.0	1830	125.3	1862	127.5
Centennial HS	1360	1360	1360	1360	1444	106.2	1454	106.9	1490	109.6	1504	110.6	1518	111.6	1525	112.1	1513	111.3	1513	111.3	1518	93.7	1514	93.5	1513	93.4
Glenelg HS	1420	1420	1420	1420	1370	96.5	1401	98.7	1383	97.4	1404	98.9	1411	99.4	1385	97.5	1369	96.4	1379	97.1	1393	98.1	1437	101.2	1462	103.0
Hammond HS	1220	1220	1220	1420	1350	110.7	1380	113.1	1429	117.1	1496	105.4	1536	108.2	1564	110.1	1542	108.6	1550	109.2	1568	110.4	1575	110.9	1610	113.4
Howard HS	1420	1420	1420	1420	1567	110.4	1606	113.1	1639	115.4	1650	116.2	1656	116.6	1673	117.8	1684	118.6	1733	122.0	1746	123.0	1761	124.0	1766	124.4
Long Reach HS	1488	1488	1488	1488	1538	103.4	1610	108.2	1729	116.2	1786	120.0	1820	122.3	1852	124.5	1844	123.9	1868	125.5	1895	127.4	1941	130.4	1960	131.7
Marriotts Ridge HS	1615	1615	1615	1615	1714	106.1	1750	108.4	1790	110.8	1808	112.0	1846	114.3	1890	117.0	1869	115.7	1895	117.3	1885	116.7	1876	116.2	1910	118.3
Mt Hebron HS	1400	1400	1400	1400	1468	104.9	1496	106.9	1526	109.0	1544	110.3	1593	113.8	1653	118.1	1666	119.0	1690	120.7	1697	121.2	1696	121.1	1695	121.1
New HS #13	NS	0	0	0	1658																					
Oakland Mills HS	1400	1400	1400	1400	1470	105.0	1542	110.1	1609	114.9	1612	115.1	1613	115.2	1601	114.4	1598	114.1	1620	115.7	1626	116.1	1637	116.9	1642	117.3
Reservoir HS	1551	1551	1551	1551	1611	103.9	1651	106.4	1731	111.6	1794	115.7	1817	117.2	1865	120.2	1908	123.0	1899	122.4	1962	126.5	1982	127.8	2001	129.0
River Hill HS	1488	1488	1488	1488	1586	106.6	1608	108.1	1502	100.9	1546	103.9	1503	101.0	1481	99.5	1467	98.6	1472	98.9	1496	100.5	1521	102.2	1560	104.8
Wilke Lake HS	1424	1424	1424	1424	1606	112.8	1609	113.0	1606	112.8	1617	113.6	1590	111.7	1582	111.1	1577	110.7	1584	111.2	1610	113.1	1648	115.7	1679	117.9
Countywide Totals	17246	17246	17246	19104	18335	106.3	18699	108.4	19050	110.5	19432	101.7	19585	102.5	19788	103.6	19764	103.5	19944	104.4	20192	104.3	20418	105.4	20660	106.7

*NS: New School proposed for FY 2021 Capital Budget

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

Post-Measures

High School Option 1

MIDDLE SCHOOLS - Data for Demonstrative Purposes Only
Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

School	Capacity				2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Bonnie Branch MS	701	701	701	701	691	98.6	654	93.3	656	93.6	651	92.9	693	98.9	706	100.7	740	105.6	712	101.6	724	103.3	717	102.3	749	106.8
Burleigh Manor MS	779	779	779	779	806	103.5	804	103.2	806	103.5	778	99.9	784	100.6	793	101.8	798	102.4	785	100.8	778	99.9	777	99.7	788	101.2
Clarksville MS	643	643	643	643	704	109.5	697	108.4	673	104.7	674	104.8	701	109.0	705	109.6	714	111.0	715	111.2	721	112.1	723	112.4	722	112.3
Dunloggin MS	A	565	565	565	652	115.4	658	116.5	673	119.1	671	118.8	676	102.1	673	101.7	689	104.1	692	104.5	681	102.9	677	102.3	691	104.4
Elkridge Landing MS	779	779	779	779	747	95.9	768	98.6	820	105.3	857	110.0	867	111.3	859	110.3	882	113.2	892	114.5	904	116.0	907	116.4	941	120.8
Ellicott Mills MS	701	701	701	701	910	129.8	912	130.1	884	126.1	893	127.4	878	125.2	866	123.5	861	122.8	860	122.7	863	123.1	860	122.7	913	130.2
Folly Quarter MS	662	662	662	662	674	101.8	677	102.3	664	100.3	660	99.7	649	98.0	668	100.9	679	102.6	700	105.7	692	104.5	701	105.9	710	107.3
Glenwood MS	545	545	545	545	578	106.1	576	105.7	555	101.8	553	101.5	552	101.3	576	105.7	595	109.2	610	111.9	606	111.2	612	112.3	616	113.0
Hammond MS	604	604	604	604	702	116.2	724	119.9	746	123.5	737	122.0	762	126.2	768	127.2	801	132.6	809	133.9	829	137.3	836	138.4	864	143.0
Harpers Choice MS	506	506	506	506	475	93.9	473	93.5	453	89.5	439	86.8	453	89.5	465	91.9	480	94.9	479	94.7	481	95.1	473	93.5	485	95.8
Lake Elkhorn MS	643	643	643	643	555	86.3	503	78.2	503	78.2	486	75.6	501	77.9	481	74.8	489	76.0	479	74.5	476	74.0	473	73.6	482	75.0
Lime Kiln MS	721	721	721	721	676	93.8	675	93.6	718	99.6	737	102.2	743	103.1	751	104.2	774	107.4	817	113.3	803	111.4	825	114.4	809	112.2
Mayfield Woods MS	798	798	798	798	842	105.5	839	105.1	833	104.4	822	103.0	850	106.5	868	108.8	915	114.7	935	117.2	936	117.3	923	115.7	946	118.5
Mount View MS	798	798	798	798	796	99.7	846	106.0	860	107.8	860	107.8	887	111.2	889	111.4	912	114.3	915	114.7	911	114.2	911	114.2	912	114.3
Murray Hill MS	662	662	662	662	721	108.9	709	107.1	701	105.9	732	110.6	767	115.9	778	117.5	751	113.4	758	114.5	754	113.9	765	115.6	765	115.6
Oakland Mills MS	A	506	506	506	453	89.5	451	89.1	462	91.3	470	92.9	467	92.3	460	90.9	461	89.6	444	87.1	447	87.5	442	86.8	459	89.3
Patapsco MS	A	643	643	643	775	120.5	834	129.7	865	134.5	879	136.7	885	137.6	889	138.3	900	140.0	903	140.4	902	113.0	895	112.2	892	111.8
Patuxent Valley MS	760	760	760	760	793	104.3	763	100.4	769	101.2	749	98.6	762	100.3	760	100.0	792	104.2	801	105.4	801	105.4	816	107.4	844	111.1
Thomas Viaduct MS	701	701	701	701	748	106.7	781	111.4	763	108.8	781	111.4	773	110.3	778	111.0	769	109.7	783	111.7	806	115.0	832	118.7	843	120.3
Wilke Lake MS	721	721	721	721	717	99.4	728	101.0	747	103.6	753	104.4	779	108.0	813	112.8	843	116.9	877	121.6	875	121.4	909	126.1	933	129.4
Countywide Totals	13438	13438	13438	13438	14015	104.3	14072	104.7	14151	105.3	14182	105.5	14429	106.6	14546	107.5	14845	108.4	14966	109.3	14990	108.3	15074	108.9	15364	111.0

*A' includes additions as proposed for FY 2021 CIP for grades 6-8

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

High School Option # 1 - High and Middle Assessments

High School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	4	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	4	
	Mean	6.1	3.4	
Proximity to school	# of Schools Strengthened	NA	4	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	8	
	Mean	11852	12378	
Small HS from MS Feeds (under 15%)	(smaller # = closer set of polygons)		WEAKNESS	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
	# of Small Feeds	8	7	
			STRENGTH	
Double Small Feed	# of Double Small Feeds	1	3	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			WEAKNESS	
Non-contiguous Attendance Areas	Number of "Islands"	0	0	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			NEGLIGIBLE	
Students moved within 5 yrs of last ES move	Number	NA	0	
	% of Enrollment	NA	0.0%	
			0	
Students Moved	Number moved in	NA	2497	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	Number moved out	NA	2497	
Strength		Negligible	Weakness	

Middle School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	2	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	3	
	Mean	6.7	6.6	
Proximity to school	(smaller # = closer set of polygons)		NEGLIGIBLE	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Strengthened	NA	3	
	# of Schools Weakened	NA	4	
Small MS from ES Feeds (under 15%)	Mean	8322	8332	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
	# of Small Feeds	17	20	
			WEAKNESS	
Double Small Feed	# of Double Small Feeds	1	3	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			WEAKNESS	
Non-contiguous Attendance Areas	Number of "Islands"	0	0	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			NEGLIGIBLE	
Students moved within 5 yrs of last ES move	Number	NA	0	
	% of Enrollment	NA	0.0%	
			0	
Students Moved	Number moved in	NA	308	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	Number moved out	NA	308	
Strength		Negligible	Weakness	

High School Option # 1 - Middle School Feed Report

Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed	Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Bonnie Branch MS	Ilchester ES Jeffers Hill ES Phelps Luck ES Rockburn ES Waterloo ES	47.7% 2.1% 45.9% 4.3% 0.0%	Ilchester ES Jeffers Hill ES Phelps Luck ES Rockburn ES Waterloo ES	47.7% 2.1% 45.9% 4.3% 0.0%	Lake Elkhorn MS	Cradlerock ES Guilford ES Jeffers Hill ES Talbot Springs ES	41.1% 26.5% 24.1% 8.3%	Cradlerock ES Guilford ES Jeffers Hill ES Talbot Springs ES	41.1% 26.5% 24.1% 8.3%
Burleigh Manor MS	Centennial Lane ES Manor Woods ES Northfield ES Triadelphia Ridge ES	56.3% 27.1% 15.4% 1.1%	Centennial Lane ES Manor Woods ES Northfield ES Triadelphia Ridge ES	56.3% 27.1% 15.4% 1.1%	Lime Kiln MS	Dayton Oaks ES Fulton ES Pointers Run ES	27.8% 58.6% 13.5%	Dayton Oaks ES Fulton ES Pointers Run ES	27.8% 58.6% 13.5%
Clarksville MS	Clarksville ES Pointers Run ES	46.2% 53.8%	Clarksville ES Pointers Run ES	46.2% 53.8%	Mayfield Woods MS	Bellows Spring ES Deep Run ES Jeffers Hill ES Waterloo ES	29.5% 42.4% 10.0% 18.1%	Bellows Spring ES Deep Run ES Jeffers Hill ES Waterloo ES	29.5% 42.4% 10.0% 18.1%
Dunloggin MS	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	6.7% 44.7% 11.6% 5.2% 31.8%	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	6.7% 44.7% 11.6% 5.2% 31.8%	Mount View MS	Manor Woods ES Waverly ES West Friendship ES	22.3% 46.8% 30.9%	Manor Woods ES Waverly ES West Friendship ES	23.5% 49.3% 27.2%
Elkridge Landing MS	Elkridge ES Rockburn ES	65.8% 34.2%	Elkridge ES Rockburn ES	65.8% 34.2%	Murray Hill MS	Gorman Crossing ES Laurel Woods ES	54.4% 45.6%	Gorman Crossing ES Laurel Woods ES	60.8% 39.2%
Ellicott Mills MS	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	20.7% 26.9% 17.9% 34.5%	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	20.7% 26.9% 17.9% 34.5%	Oakland Mills MS	Atholton ES Stevens Forest ES Talbot Springs ES Thunder Hill ES	9.2% 41.0% 35.1% 14.6%	Stevens Forest ES Talbot Springs ES Thunder Hill ES	45.2% 38.6% 16.1%
Folly Quarter MS	Bushy Park ES Clarksville ES Dayton Oaks ES Triadelphia Ridge ES	18.9% 0.1% 30.9% 50.1%	Bushy Park ES Clarksville ES Dayton Oaks ES Triadelphia Ridge ES	18.9% 0.1% 30.9% 50.1%	Patapsco MS	Hollifield Station ES St Johns Lane ES Waverly ES	48.1% 40.6% 11.3%	Hollifield Station ES St Johns Lane ES Waverly ES	48.1% 40.6% 11.3%
Glenwood MS	Bushy Park ES Lisbon ES	48.2% 51.8%	Bushy Park ES Lisbon ES West Friendship ES	44.4% 47.8% 7.8%	Patuxent Valley MS	Bollman Bridge ES Forest Ridge ES	49.3% 50.7%	Bollman Bridge ES Forest Ridge ES Laurel Woods ES	44.6% 45.8% 9.7%
Hammond MS	Atholton ES Fulton ES Guilford ES Hammond ES	25.8% 16.0% 0.0% 58.2%	Atholton ES Fulton ES Guilford ES Hammond ES	25.8% 16.0% 0.0% 58.2%	Thomas Viaduct MS	Bellows Spring ES Ducketts Lane ES Guilford ES Hanover Hills ES	10.6% 35.9% 9.0% 44.5%	Bellows Spring ES Ducketts Lane ES Guilford ES Hanover Hills ES	10.6% 35.9% 9.0% 44.5%
Harpers Choice MS	Longfellow ES Swansfield ES	39.9% 60.1%	Bryant Woods ES Longfellow ES Swansfield ES	14.1% 42.2% 43.7%	Wilde Lake MS	Bryant Woods ES Clemens Crossing ES Running Brook ES	34.6% 29.4% 36.0%	Atholton ES Bryant Woods ES Clemens Crossing ES Running Brook ES Swansfield ES	6.8% 21.5% 26.3% 32.2% 13.2%

High School Option # 1 - High School Feed Report

High School	Before Feeding Schools	Feed	After Feeding Schools	Feed	High School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Atholton HS	Clarksville MS	34.0%	Clarksville MS	24.5%	Marriotts Ridge HS	Burleigh Manor MS	18.2%	Burleigh Manor MS	30.9%
	Hammond MS	13.0%	Hammond MS	15.3%		Mount View MS	81.8%	Mount View MS	69.1%
	Murray Hill MS	21.1%	Murray Hill MS	19.1%					
	Wilde Lake MS	31.9%	Wilde Lake MS	41.1%					
Centennial HS	Burleigh Manor MS	51.3%	Burleigh Manor MS	41.7%	Mt Hebron HS	Dunloggin MS	17.2%	Dunloggin MS	8.1%
	Dunloggin MS	23.4%	Dunloggin MS	29.6%		Ellicott Mills MS	21.6%	Ellicott Mills MS	24.0%
	Ellicott Mills MS	25.3%	Ellicott Mills MS	28.7%		Patapsco MS	61.2%	Patapsco MS	67.9%
Glenelg HS	Folly Quarter MS	38.6%	Folly Quarter MS	42.0%	Oakland Mills HS	Lake Elkhorn MS	46.7%	Lake Elkhorn MS	20.4%
	Glenwood MS	61.4%	Glenwood MS	58.0%		Oakland Mills MS	53.3%	Mayfield Woods MS	15.4%
								Oakland Mills MS	40.9%
								Thomas Viaduct MS	23.3%
Hammond HS	Hammond MS	26.6%	Hammond MS	23.7%	Reservoir HS	Hammond MS	11.5%	Hammond MS	12.2%
	Lake Elkhorn MS	11.9%	Lake Elkhorn MS	12.4%		Lime Kiln MS	33.0%	Lime Kiln MS	28.7%
	Patuxent Valley MS	44.8%	Patuxent Valley MS	46.6%		Murray Hill MS	41.9%	Murray Hill MS	37.2%
	Thomas Viaduct MS	16.7%	Thomas Viaduct MS	17.3%		Patuxent Valley MS	13.7%	Patuxent Valley MS	21.9%
Howard HS	Bonnie Branch MS	35.2%	Bonnie Branch MS	43.9%	River Hill HS	Clarksville MS	46.0%	Clarksville MS	46.6%
	Elkridge Landing MS	45.7%	Elkridge Landing MS	32.2%		Folly Quarter MS	32.9%	Folly Quarter MS	20.4%
	Ellicott Mills MS	18.7%	Ellicott Mills MS	23.3%		Lime Kiln MS	21.1%	Harpers Choice MS	7.9%
	Mayfield Woods MS	0.4%	Mayfield Woods MS	0.5%				Lime Kiln MS	25.1%
Long Reach HS	Bonnie Branch MS	11.3%	Bonnie Branch MS	12.2%	Wilde Lake HS	Dunloggin MS	11.0%	Dunloggin MS	17.4%
	Elkridge Landing MS	9.0%	Elkridge Landing MS	32.2%		Harpers Choice MS	51.1%	Harpers Choice MS	36.3%
	Mayfield Woods MS	49.7%	Mayfield Woods MS	41.6%		Wilde Lake MS	37.9%	Lake Elkhorn MS	17.2%
	Thomas Viaduct MS	30.0%	Thomas Viaduct MS	14.0%				Wilde Lake MS	29.1%

High School Option # 1 - High and Middle Race Report

	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
High School	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Atholton HS	<=5%	<=5%	20%	18%	24%	27%	<=5%	<=5%	8%	9%	6%	6%	42%	40%
Centennial HS	<=5%	<=5%	40%	39%	9%	11%	<=5%	<=5%	<=5%	6%	6%	6%	40%	37%
Glenelg HS	<=5%	<=5%	11%	12%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	76%	75%
Hammond HS	<=5%	<=5%	10%	10%	42%	43%	<=5%	<=5%	16%	16%	7%	6%	26%	24%
Howard HS	<=5%	<=5%	17%	17%	21%	21%	<=5%	<=5%	7%	7%	7%	7%	47%	48%
Long Reach HS	<=5%	<=5%	14%	15%	35%	31%	<=5%	<=5%	20%	15%	6%	7%	24%	32%
Marriotts Ridge HS	<=5%	<=5%	35%	38%	10%	11%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	48%	43%
Mt Hebron HS	<=5%	<=5%	31%	30%	15%	12%	<=5%	<=5%	8%	8%	<=5%	<=5%	42%	45%
Oakland Mills HS	<=5%	<=5%	7%	10%	46%	42%	<=5%	<=5%	20%	24%	8%	7%	20%	16%
Reservoir HS	<=5%	<=5%	16%	16%	32%	34%	<=5%	<=5%	15%	16%	7%	7%	28%	27%
River Hill HS	<=5%	<=5%	34%	31%	7%	9%	<=5%	<=5%	<=5%	<=5%	7%	8%	48%	47%
Wilde Lake HS	<=5%	<=5%	7%	7%	45%	44%	<=5%	<=5%	13%	14%	7%	7%	26%	28%
Countywide Average	<=5%		20%		24%		<=5%		10%		6%		39%	

	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
Middle School	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Bonnie Branch MS	<=5%	<=5%	16%	16%	26%	26%	<=5%	<=5%	15%	15%	7%	7%	35%	35%
Burleigh Manor MS	<=5%	<=5%	48%	48%	12%	12%	<=5%	<=5%	<=5%	<=5%	6%	6%	29%	29%
Clarksville MS	<=5%	<=5%	40%	40%	6%	6%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	45%	45%
Dunloggin MS	<=5%	<=5%	33%	33%	16%	16%	<=5%	<=5%	8%	8%	<=5%	<=5%	39%	39%
Elkridge Landing MS	<=5%	<=5%	17%	17%	23%	23%	<=5%	<=5%	8%	8%	6%	6%	46%	46%
Ellicott Mills MS	<=5%	<=5%	32%	32%	14%	14%	<=5%	<=5%	6%	6%	<=5%	<=5%	43%	43%
Folly Quarter MS	<=5%	<=5%	27%	27%	6%	6%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	57%	57%
Glenwood MS	<=5%	<=5%	8%	9%	6%	6%	<=5%	<=5%	7%	8%	<=5%	<=5%	75%	73%
Hammond MS	<=5%	<=5%	12%	12%	26%	26%	<=5%	<=5%	8%	8%	8%	8%	45%	45%
Harpers Choice MS	<=5%	<=5%	8%	8%	50%	49%	<=5%	<=5%	16%	17%	8%	8%	18%	16%
Lake Elkhorn MS	<=5%	<=5%	10%	10%	51%	51%	<=5%	<=5%	18%	18%	7%	7%	14%	14%
Lime Kiln MS	<=5%	<=5%	28%	28%	12%	12%	<=5%	<=5%	<=5%	<=5%	6%	6%	50%	50%
Mayfield Woods MS	<=5%	<=5%	13%	13%	29%	29%	<=5%	<=5%	25%	25%	<=5%	<=5%	28%	28%
Mount View MS	<=5%	<=5%	36%	36%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	<=5%	49%	49%
Murray Hill MS	<=5%	<=5%	17%	18%	45%	43%	<=5%	<=5%	21%	21%	<=5%	<=5%	13%	14%
Oakland Mills MS	<=5%	<=5%	<=5%	6%	37%	39%	<=5%	<=5%	21%	23%	10%	9%	27%	24%
Patapsco MS	<=5%	<=5%	33%	33%	11%	11%	<=5%	<=5%	9%	9%	<=5%	<=5%	43%	43%
Patuxent Valley MS	<=5%	<=5%	17%	16%	38%	41%	<=5%	<=5%	18%	18%	6%	6%	21%	19%
Thomas Viaduct MS	<=5%	<=5%	14%	14%	45%	45%	<=5%	<=5%	18%	18%	<=5%	<=5%	18%	18%
Wilde Lake MS	<=5%	<=5%	8%	8%	47%	44%	<=5%	<=5%	11%	11%	9%	8%	25%	29%
Countywide Average	<=5%		21%		25%		<=5%		12%		6%		36%	

See page 35 for information about the data used in these reports.

High School Option # 1 - High and Middle ESOL Report

School	% ESOL Participation	
	Base	Proposed
Atholton HS	<=5%	<=5%
Centennial HS	<=5%	<=5%
Glenelg HS	<=5%	<=5%
Hammond HS	<=5%	<=5%
Howard HS	<=5%	<=5%
Long Reach HS	6%	<=5%
Marriotts Ridge HS	<=5%	<=5%
Mt Hebron HS	<=5%	<=5%
Oakland Mills HS	<=5%	6%
Reservoir HS	<=5%	<=5%
River Hill HS	<=5%	<=5%
Wilde Lake HS	<=5%	<=5%
Countywide Average	<=5%	

School	% ESOL Participation	
	Base	Proposed
Bonnie Branch MS	6%	6%
Burleigh Manor MS	<=5%	<=5%
Clarksville MS	<=5%	<=5%
Dunloggin MS	<=5%	<=5%
Elkridge Landing MS	<=5%	<=5%
Ellicott Mills MS	<=5%	<=5%
Folly Quarter MS	<=5%	<=5%
Glenwood MS	<=5%	<=5%
Hammond MS	<=5%	<=5%
Harpers Choice MS	<=5%	<=5%
Lake Elkhorn MS	<=5%	<=5%
Lime Kiln MS	<=5%	<=5%
Mayfield Woods MS	<=5%	<=5%
Mount View MS	<=5%	<=5%
Murray Hill MS	<=5%	<=5%
Oakland Mills MS	<=5%	<=5%
Patapsco MS	<=5%	<=5%
Patuxent Valley MS	<=5%	<=5%
Thomas Viaduct MS	6%	6%
Wilde Lake MS	<=5%	<=5%
Countywide Average	<=5%	

See page 35 for information about the data used in these reports.

High School Option # 1 - High and Middle FARM and Test Percentages

FARM/Test Data High School 1

School Name	FARM	PSAT-Read	PSAT-Math
Atholton HS	15%	71%	53%
Centennial HS	13%	76%	67%
Glenelg HS	<=5%	77%	63%
Hammond HS	40%	44%	26%
Howard HS	12%	69%	51%
Long Reach HS	33%	53%	31%
Marriotts Ridge HS	8%	80%	68%
Mt Hebron HS	12%	71%	60%
Oakland Mills HS	49%	45%	25%
Reservoir HS	27%	57%	43%
River Hill HS	<=5%	78%	68%
Wilde Lake HS	43%	46%	29%

System-wide total	22%	64%	48%
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FARM/Test Data High School 1

School Name	FARM	PARCC-Read	PARCC-Math
Bonnie Branch MS	32%	49%	49%
Burleigh Manor MS	11%	76%	74%
Clarksville MS	<=5%	84%	84%
Dunloggin MS	19%	63%	59%
Elkridge Landing MS	21%	57%	44%
Ellicott Mills MS	11%	65%	66%
Folly Quarter MS	<=5%	69%	76%
Glenwood MS	7%	64%	61%
Hammond MS	19%	62%	55%
Harpers Choice MS	53%	30%	27%
Lake Elkhorn MS	52%	35%	27%
Lime Kiln MS	<=5%	72%	70%
Mayfield Woods MS	43%	43%	37%
Mount View MS	<=5%	76%	77%
Murray Hill MS	36%	49%	42%
Oakland Mills MS	51%	35%	31%
Patapsco MS	16%	57%	64%
Patuxent Valley MS	40%	43%	36%
Thomas Viaduct MS	45%	38%	29%
Wilde Lake MS	43%	45%	37%

System-wide total	25%	57%	54%
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See page 35 for information about the data used in these reports.

High School Option # 2 - Summary and Polygon Moves

High School Option 2:

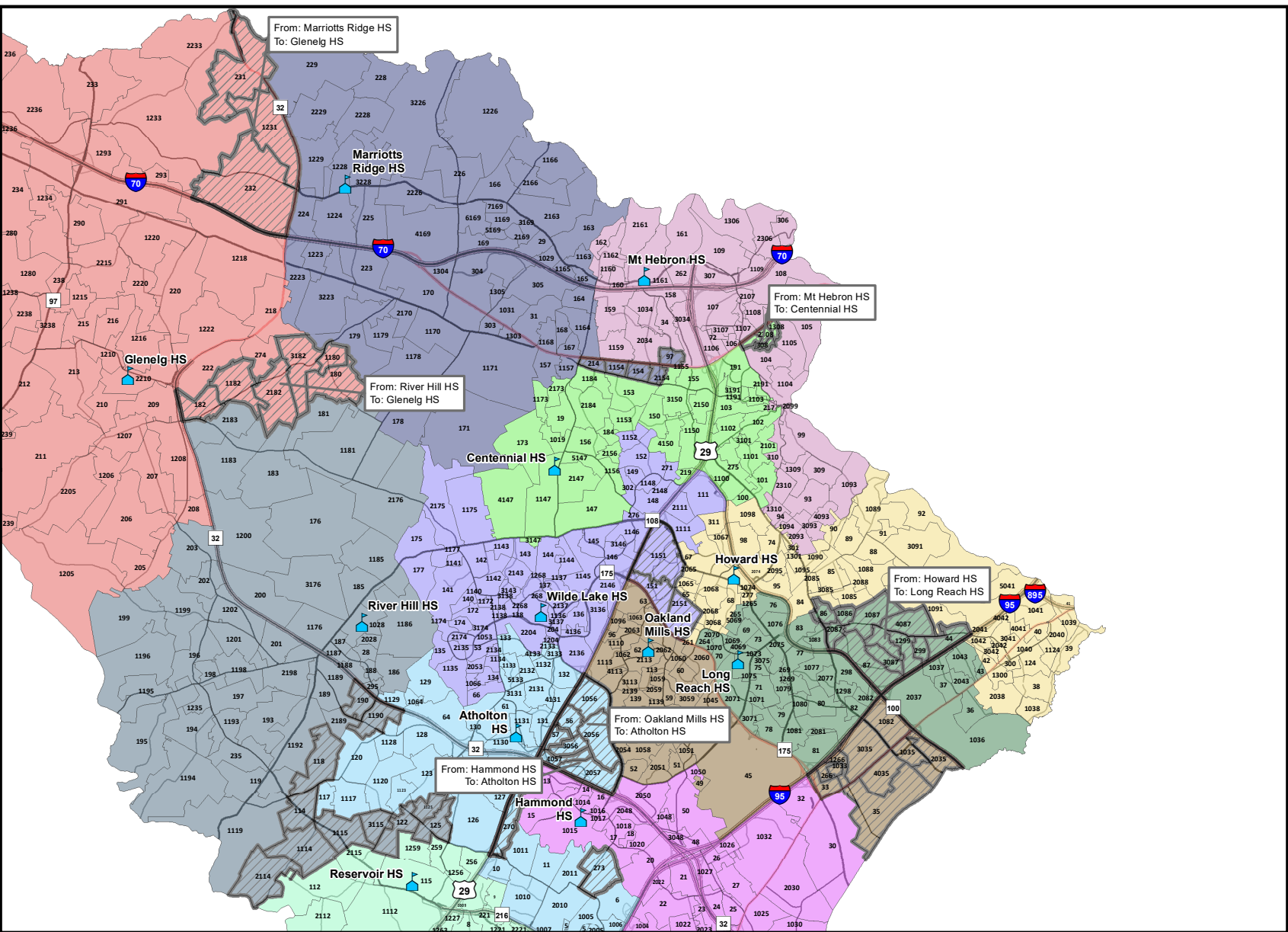
Similar to High School Option #1, this plan contains concessions regarding neighborhoods traditionally assigned to the nearest school and without additional high school capacity, it will be necessary to utilize most schools above the Policy-defined target range of 90% to 110%. This reassignment options does reduce capacity utilization at some of the higher utilized schools. This option proposes to move approximately 1,600 projected students in SY 2020-21 at the high school and middle school levels. This plan reassigns fewer students in SY 2020-21 and leaves high schools in the eastern part of the county at a higher capacity utilization, with the intent of reassigning fewer students in the combined SY 2020-21 and SY 2023-24 boundary changes.

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Dunloggin MS	Oakland Mills MS	25	111, 1111, 2111
Hammond MS	Wilde Lake MS	51	57, 1057, 2057
Mayfield Woods MS	Ellicott Mills MS	*	277
Mount View MS	Glenwood MS	46	231, 232, 1231
Oakland Mills MS	Wilde Lake MS	47	56, 1056, 2056, 3056
Total*		169	

* Values fewer than 10 are not included in the table, including the total.

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Atholton HS	River Hill HS	98	118, 190, 1190
Centennial HS	Marriotts Ridge HS	246	97, 154, 214, 1154, 2154
Hammond HS	Atholton HS	64	57, 270, 273, 1057, 2057
Howard HS	Long Reach HS	230	44, 86, 87, 299, 1086, 1087, 1299, 2087, 3087, 4087
Long Reach HS	Oakland Mills HS	297	33, 35, 266, 1033, 1035, 1082, 1266, 2035, 3035, 4035
Marriotts Ridge HS	Glenelg HS	62	231, 232, 1231
Mt Hebron HS	Centennial HS	117	308, 1308, 2308
Oakland Mills HS	Atholton HS	75	56, 1056, 2056, 3056
Oakland Mills HS	Wilde Lake HS	103	151, 1151, 2151
Reservoir HS	River Hill HS	87	114, 122, 125, 1114, 1115, 1125, 2114, 3115
River Hill HS	Glenelg HS	121	180, 182, 1180, 1182, 2182, 3182
Total		1,500	

High School Option # 2 - High School Map



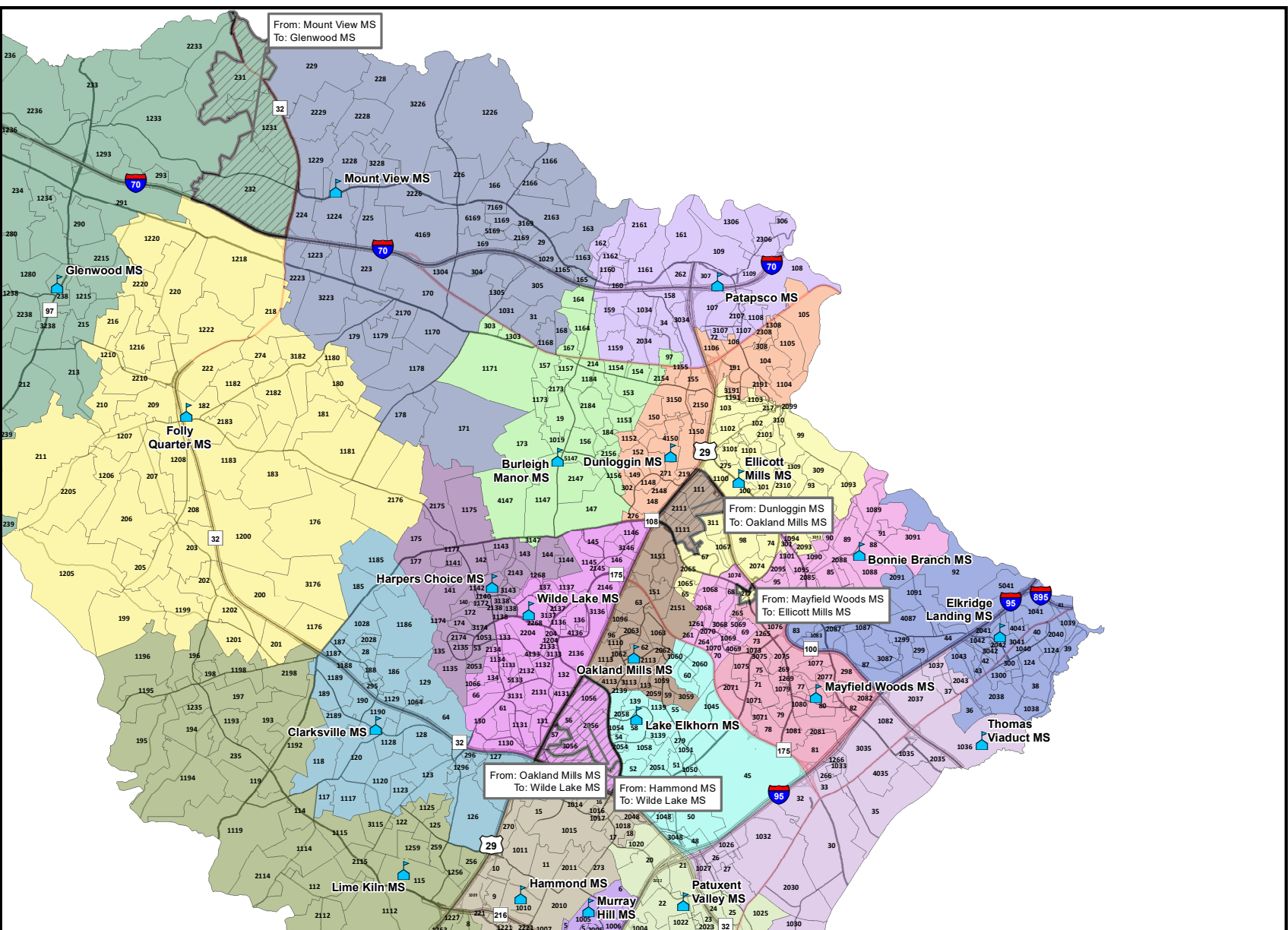
2019 Feasibility Study Boundary Review

HS Option #2 (High School Boundaries)

Showing proposed boundaries and areas reassigned for this option.



High School Option # 2 - Middle School Map



Showing proposed boundaries and areas reassigned for this option.



NOT TO SCALE



2019 Feasibility Study Boundary Review

HS Option #2 (Middle School Boundaries)

High School Option # 2 - High and Middle Post Measures

Post-Measures

High School Option 2

HIGH SCHOOLS - Data for Demonstrative Purposes Only
Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

Capacity					2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
School	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Attholton HS	1460	1460	1460	1460	1523	104.3	1506	103.2	1528	104.7	1580	108.2	1592	109.0	1624	111.2	1636	112.1	1648	112.9	1699	116.4	1729	118.4	1755	120.2
Centennial HS	1360	1360	1360	1360	1505	110.7	1519	111.7	1556	114.4	1571	115.5	1586	116.6	1590	116.9	1576	115.9	1573	115.7	1578	97.4	1572	97.0	1572	97.0
Glenelg HS	1420	1420	1420	1420	1347	94.9	1379	97.1	1361	95.8	1382	97.3	1390	97.9	1364	96.1	1349	95.0	1359	95.7	1373	96.7	1417	99.8	1441	101.5
Hammond HS	1220	1220	1220	1220	1350	110.7	1380	113.1	1429	117.1	1496	105.4	1536	108.2	1564	110.1	1542	108.6	1550	109.2	1568	110.4	1575	110.9	1610	113.4
Howard HS	1420	1420	1420	1420	1696	119.4	1733	122.0	1765	124.3	1775	125.0	1776	125.1	1795	126.4	1806	127.2	1858	130.8	1872	131.8	1886	132.8	1892	133.2
Long Reach HS	1488	1488	1488	1488	1624	109.1	1714	115.2	1859	124.9	1928	129.6	1976	132.8	2010	135.1	2004	134.7	2033	136.6	2064	138.7	2121	142.5	2146	144.2
Marriotts Ridge HS	1615	1615	1615	1615	1714	106.1	1750	108.4	1790	110.8	1808	112.0	1846	114.3	1890	117.0	1869	115.7	1895	117.3	1885	116.7	1876	116.2	1910	118.3
Mt Hebron HS	1400	1400	1400	1400	1527	109.1	1550	110.7	1579	112.8	1597	114.1	1647	117.6	1710	122.1	1725	123.2	1751	125.1	1759	125.6	1759	125.6	1758	125.6
New HS #13	NS	0	0	1658																						
Oakland Mills HS	1400	1400	1400	1400	1460	104.3	1521	108.6	1558	111.3	1541	110.1	1525	108.9	1504	107.4	1495	106.8	1509	107.8	1506	107.6	1508	107.7	1505	107.5
Reservoir HS	1551	1551	1551	1551	1611	103.9	1651	106.4	1731	111.6	1794	115.7	1817	117.2	1865	120.2	1908	123.0	1899	122.4	1962	126.5	1982	127.8	2001	129.0
River Hill HS	1488	1488	1488	1488	1526	102.6	1544	103.8	1435	96.4	1476	99.2	1433	96.3	1411	94.8	1395	93.8	1398	94.0	1419	95.4	1442	96.9	1479	99.4
Wilke Lake HS	1424	1424	1424	1424	1452	102.0	1452	102.0	1459	102.5	1484	104.2	1461	102.6	1461	102.6	1459	102.5	1471	103.3	1507	105.8	1551	108.9	1591	111.7
Countywide Totals	17246	17246	17246	19104	18335	106.3	18699	108.4	19050	110.5	19432	101.7	19585	102.5	19788	103.6	19764	103.5	19944	104.4	20192	104.3	20418	105.4	20660	106.7

NS' New School proposed for FY 2021 Capital Budget

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

Post-Measures

High School Option 2

MIDDLE SCHOOLS - Data for Demonstrative Purposes Only
Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

Capacity					2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
School	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Bonnie Branch MS	701	701	701	701	691	98.6	654	93.3	656	93.6	651	92.9	693	98.9	706	100.7	740	105.6	712	101.6	724	103.3	717	102.3	749	106.8
Burleigh Manor MS	779	779	779	779	806	103.5	804	103.2	806	103.5	778	99.9	784	100.6	793	101.8	798	102.4	785	100.8	778	99.9	777	99.7	788	101.2
Clarksville MS	643	643	643	643	704	109.5	697	108.4	673	104.7	674	104.8	701	109.0	705	109.6	714	111.0	715	111.2	721	112.1	723	112.4	722	112.3
Dunloggin MS	A	565	565	565	627	111.0	634	112.2	649	114.9	648	114.7	654	98.8	651	98.3	667	100.8	670	101.2	659	99.5	655	98.9	669	101.1
Elkridge Landing MS	779	779	779	779	747	95.9	768	98.6	820	105.3	857	110.0	867	111.3	859	110.3	882	113.2	892	114.5	904	116.0	907	116.4	941	120.8
Ellicott Mills MS	701	701	701	701	917	130.8	919	131.1	891	127.1	900	128.4	885	126.2	873	124.5	868	123.8	867	123.7	870	124.1	867	123.7	920	131.2
Folly Quarter MS	662	662	662	662	674	101.8	677	102.3	664	100.3	660	99.7	649	98.0	668	100.9	679	102.6	700	105.7	692	104.5	701	105.9	710	107.3
Glenwood MS	545	545	545	545	578	106.1	576	105.7	555	101.8	553	101.5	552	101.3	576	105.7	595	109.2	610	111.9	606	111.2	612	112.3	616	113.0
Hammond MS	604	604	604	604	651	107.8	672	111.3	692	114.6	684	113.2	708	117.2	714	118.2	745	123.3	753	124.7	773	128.0	780	129.1	808	133.8
Harpers Choice MS	506	506	506	506	490	96.8	485	95.8	457	90.3	439	86.8	453	89.5	462	91.3	477	94.3	470	92.9	473	93.5	463	91.5	473	93.5
Lake Elkhorn MS	643	643	643	643	555	86.3	503	78.2	503	78.2	486	75.6	501	77.9	481	74.8	489	76.0	479	74.5	476	74.0	473	73.6	482	75.0
Lime Kiln MS	721	721	721	721	676	93.8	675	93.6	718	99.6	737	102.2	743	103.1	751	104.2	774	107.4	817	113.3	803	111.4	825	114.4	809	112.2
Mayfield Woods MS	798	798	798	798	835	104.6	832	104.3	826	103.5	815	102.1	843	105.6	861	107.9	908	113.8	928	116.3	929	116.4	916	114.8	939	117.7
Mount View MS	798	798	798	798	796	99.7	846	106.0	860	107.8	860	107.8	887	111.2	889	111.4	912	114.3	915	114.7	911	114.2	911	114.2	912	114.3
Murray Hill MS	662	662	662	662	799	120.7	785	118.6	775	117.1	808	122.1	847	127.9	859	129.8	829	125.2	836	126.3	832	125.7	843	127.3	843	127.3
Oakland Mills MS	A	506	506	506	478	94.5	475	93.9	486	96.0	493	97.4	489	96.6	482	95.3	483	73.0	466	70.4	469	70.8	464	70.1	481	72.7
Patapsco MS	A	643	643	643	775	120.5	834	129.7	865	134.5	879	136.7	885	137.6	889	138.3	900	140.0	903	140.4	902	113.0	895	112.2	892	111.8
Patuxent Valley MS	760	760	760	760	715	94.1	687	90.4	695	91.4	673	88.6	682	89.7	679	89.3	714	93.9	723	95.1	723	95.1	738	97.1	766	100.8
Thomas Viaduct MS	701	701	701	701	748	106.7	781	111.4	763	108.8	781	111.4	773	110.3	778	111.0	769	109.7	783	111.7	806	115.0	832	118.7	843	120.3
Wilke Lake MS	721	721	721	721	753	104.4	768	106.5	797	110.5	806	111.8	833	115.5	870	120.7	902	125.1	942	130.7	939	130.2	975	135.2	1001	138.8
Countywide Totals	13438	13438	13438	13438	14015	104.3	14072	104.7	14151	105.3	14182	105.5	14429	106.6	14546	107.5	14845	108.4	14966	109.3	14990	108.3	15074	108.9	15364	111.0

A' includes additions as proposed for FY 2021 CIP for grades 6-8

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

High School Option # 2 - High and Middle Assessments

High School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	4	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	4	
	Mean	6.1	4.9	
Proximity to school	# of Schools Strengthened	NA	5	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	7	
	Mean	11852 (smaller # = closer set of polygons)	12276	
Small HS from MS Feeds (under 15%)	# of Small Feeds	8	9	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			WEAKNESS	
Double Small Feed	# of Double Small Feeds	1	3	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			WEAKNESS	
Non-contiguous Attendance Areas	Number of "Islands"	0	0	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			NEGLIGIBLE	
Students moved within 5 yrs of last ES move	Number	NA	0	
	% of Enrollment	NA	0.0%	
			0	
Students Moved	Number moved in	NA	1500	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	Number moved out	NA	1500	
Strength		Negligible	Weakness	

Middle School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	2	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	2	
	Mean	6.7	6.4	
Proximity to school	# of Schools Strengthened	NA	2	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	6	
	Mean	8322 (smaller # = closer set of polygons)	8384	
Small MS from ES Feeds (under 15%)	# of Small Feeds	17	16	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			STRENGTH	
Double Small Feed	# of Double Small Feeds	1	3	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			WEAKNESS	
Non-contiguous Attendance Areas	Number of "Islands"	0	0	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			NEGLIGIBLE	
Students moved within 5 yrs of last ES move	Number	NA	0	
	% of Enrollment	NA	0.0%	
			0	
Students Moved	Number moved in	NA	176	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	Number moved out	NA	176	
Strength		Negligible	Weakness	

High School Option # 2 - Middle School Feed Report

Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed	Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Bonnie Branch MS	Ilchester ES Jeffers Hill ES Phelps Luck ES Rockburn ES Waterloo ES	47.7% 2.1% 45.9% 4.3% 0.0%	Ilchester ES Jeffers Hill ES Phelps Luck ES Rockburn ES Waterloo ES	47.7% 2.1% 45.9% 4.3% 0.0%	Lake Elkhorn MS	Cradlerock ES Guilford ES Jeffers Hill ES Talbot Springs ES	41.1% 26.5% 24.1% 8.3%	Cradlerock ES Guilford ES Jeffers Hill ES Talbot Springs ES	41.1% 26.5% 24.1% 8.3%
Burleigh Manor MS	Centennial Lane ES Manor Woods ES Northfield ES Triadelphia Ridge ES	56.3% 27.1% 15.4% 1.1%	Centennial Lane ES Manor Woods ES Northfield ES Triadelphia Ridge ES	56.3% 27.1% 15.4% 1.1%	Lime Kiln MS	Dayton Oaks ES Fulton ES Pointers Run ES	27.8% 58.6% 13.5%	Dayton Oaks ES Fulton ES Pointers Run ES	27.8% 58.6% 13.5%
Clarksville MS	Clarksville ES Pointers Run ES	46.2% 53.8%	Clarksville ES Pointers Run ES	46.2% 53.8%	Mayfield Woods MS	Bellows Spring ES Deep Run ES Jeffers Hill ES Waterloo ES	29.5% 42.4% 10.0% 18.1%	Bellows Spring ES Deep Run ES Jeffers Hill ES Waterloo ES	29.8% 42.8% 10.1% 17.3%
Dunloggin MS	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	6.7% 44.7% 11.6% 5.2% 31.8%	Hollifield Station ES Northfield ES St Johns Lane ES Veterans ES	7.1% 47.2% 12.2% 33.5%	Mount View MS	Manor Woods ES Waverly ES West Friendship ES	22.3% 46.8% 30.9%	Manor Woods ES Waverly ES West Friendship ES	23.5% 49.3% 27.2%
Elkridge Landing MS	Elkridge ES Rockburn ES	65.8% 34.2%	Elkridge ES Rockburn ES	65.8% 34.2%	Murray Hill MS	Gorman Crossing ES Laurel Woods ES	54.4% 45.6%	Gorman Crossing ES Laurel Woods ES	54.4% 45.6%
Ellicott Mills MS	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	20.7% 26.9% 17.9% 34.5%	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	20.5% 26.7% 18.6% 34.2%	Oakland Mills MS	Atholton ES Stevens Forest ES Talbot Springs ES Thunder Hill ES	9.2% 41.0% 35.1% 14.6%	Stevens Forest ES Talbot Springs ES Thunder Hill ES	42.2% 36.0% 21.8%
Folly Quarter MS	Bushy Park ES Clarksville ES Dayton Oaks ES Triadelphia Ridge ES	18.9% 0.1% 30.9% 50.1%	Bushy Park ES Clarksville ES Dayton Oaks ES Triadelphia Ridge ES	18.9% 0.1% 30.9% 50.1%	Patapsco MS	Hollifield Station ES St Johns Lane ES Waverly ES	48.1% 40.6% 11.3%	Hollifield Station ES St Johns Lane ES Waverly ES	48.1% 40.6% 11.3%
Glenwood MS	Bushy Park ES Lisbon ES	48.2% 51.8%	Bushy Park ES Lisbon ES West Friendship ES	44.4% 47.8% 7.8%	Patuxent Valley MS	Bollman Bridge ES Forest Ridge ES	49.3% 50.7%	Bollman Bridge ES Forest Ridge ES	49.3% 50.7%
Hammond MS	Atholton ES Fulton ES Guilford ES Hammond ES	25.8% 16.0% 0.0% 58.2%	Atholton ES Fulton ES Guilford ES Hammond ES	19.8% 17.3% 0.0% 62.9%	Thomas Viaduct MS	Bellows Spring ES Ducketts Lane ES Guilford ES Hanover Hills ES	10.6% 35.9% 9.0% 44.5%	Bellows Spring ES Ducketts Lane ES Guilford ES Hanover Hills ES	10.6% 35.9% 9.0% 44.5%
Harpers Choice MS	Longfellow ES Swansfield ES	39.9% 60.1%	Longfellow ES Swansfield ES	39.9% 60.1%	Wilde Lake MS	Bryant Woods ES Clemens Crossing ES Running Brook ES	34.6% 29.4% 36.0%	Atholton ES Bryant Woods ES Clemens Crossing ES Running Brook ES	12.5% 30.3% 25.7% 31.5%

High School Option # 2 - High School Feed Report

High School	Before Feeding Schools	Feed	After Feeding Schools	Feed	High School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Atholton HS	Clarksville MS	34.0%	Clarksville MS	26.4%	Marriotts Ridge HS	Burleigh Manor MS	18.2%	Burleigh Manor MS	30.9%
	Hammond MS	13.0%	Hammond MS	13.2%		Mount View MS	81.8%	Mount View MS	69.1%
	Murray Hill MS	21.1%	Murray Hill MS	20.6%					
	Wilde Lake MS	31.9%	Wilde Lake MS	39.7%					
Centennial HS	Burleigh Manor MS	51.3%	Burleigh Manor MS	40.5%	Mt Hebron HS	Dunloggin MS	17.2%	Dunloggin MS	12.6%
	Dunloggin MS	23.4%	Dunloggin MS	31.7%		Ellicott Mills MS	21.6%	Ellicott Mills MS	22.8%
	Ellicott Mills MS	25.3%	Ellicott Mills MS	27.9%		Patapsco MS	61.2%	Patapsco MS	64.6%
Glenelg HS	Folly Quarter MS	38.6%	Folly Quarter MS	41.2%	Oakland Mills HS	Lake Elkhorn MS	46.7%	Lake Elkhorn MS	41.0%
	Glenwood MS	61.4%	Glenwood MS	58.8%		Oakland Mills MS	53.3%	Oakland Mills MS	35.6%
						Thomas Viaduct MS		Thomas Viaduct MS	23.4%
Hammond HS	Hammond MS	26.6%	Hammond MS	23.7%	Reservoir HS	Hammond MS	11.5%	Hammond MS	12.2%
	Lake Elkhorn MS	11.9%	Lake Elkhorn MS	12.4%		Lime Kiln MS	33.0%	Lime Kiln MS	28.7%
	Patuxent Valley MS	44.8%	Patuxent Valley MS	46.6%		Murray Hill MS	41.9%	Murray Hill MS	44.6%
	Thomas Viaduct MS	16.7%	Thomas Viaduct MS	17.3%		Patuxent Valley MS	13.7%	Patuxent Valley MS	14.5%
Howard HS	Bonnie Branch MS	35.2%	Bonnie Branch MS	40.1%	River Hill HS	Clarksville MS	46.0%	Clarksville MS	49.9%
	Elkridge Landing MS	45.7%	Elkridge Landing MS	38.1%		Folly Quarter MS	32.9%	Folly Quarter MS	23.2%
	Ellicott Mills MS	18.7%	Ellicott Mills MS	21.8%		Lime Kiln MS	21.1%	Lime Kiln MS	26.9%
	Mayfield Woods MS	0.4%							
Long Reach HS	Bonnie Branch MS	11.3%	Bonnie Branch MS	11.8%	Wilde Lake HS	Dunloggin MS	11.0%	Dunloggin MS	8.2%
	Elkridge Landing MS	9.0%	Elkridge Landing MS	22.8%		Harpers Choice MS	51.1%	Harpers Choice MS	48.6%
	Mayfield Woods MS	49.7%	Mayfield Woods MS	51.9%		Wilde Lake MS	37.9%	Oakland Mills MS	7.2%
	Thomas Viaduct MS	30.0%	Thomas Viaduct MS	13.5%				Wilde Lake MS	36.0%

High School Option # 2 - High and Middle Race Report

	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
High School	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Atholton HS	<=5%	<=5%	20%	19%	24%	24%	<=5%	<=5%	8%	9%	6%	6%	42%	42%
Centennial HS	<=5%	<=5%	40%	36%	9%	10%	<=5%	<=5%	<=5%	6%	6%	6%	40%	41%
Glenelg HS	<=5%	<=5%	11%	12%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	76%	75%
Hammond HS	<=5%	<=5%	10%	10%	42%	43%	<=5%	<=5%	16%	16%	7%	6%	26%	24%
Howard HS	<=5%	<=5%	17%	18%	21%	23%	<=5%	<=5%	7%	7%	7%	7%	47%	44%
Long Reach HS	<=5%	<=5%	14%	13%	35%	28%	<=5%	<=5%	20%	19%	6%	7%	24%	33%
Marriotts Ridge HS	<=5%	<=5%	35%	38%	10%	11%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	48%	43%
Mt Hebron HS	<=5%	<=5%	31%	31%	15%	13%	<=5%	<=5%	8%	7%	<=5%	<=5%	42%	44%
Oakland Mills HS	<=5%	<=5%	7%	10%	46%	50%	<=5%	<=5%	20%	19%	8%	7%	20%	14%
Reservoir HS	<=5%	<=5%	16%	16%	32%	34%	<=5%	<=5%	15%	16%	7%	7%	28%	27%
River Hill HS	<=5%	<=5%	34%	33%	7%	7%	<=5%	<=5%	<=5%	<=5%	7%	7%	48%	49%
Wilde Lake HS	<=5%	<=5%	7%	7%	45%	45%	<=5%	<=5%	13%	13%	7%	7%	26%	27%
Countywide Average	<=5%		20%		24%		<=5%		10%		6%		39%	

	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
Middle School	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Bonnie Branch MS	<=5%	<=5%	16%	16%	26%	26%	<=5%	<=5%	15%	15%	7%	7%	35%	35%
Burleigh Manor MS	<=5%	<=5%	48%	48%	12%	12%	<=5%	<=5%	<=5%	<=5%	6%	6%	29%	29%
Clarksville MS	<=5%	<=5%	40%	40%	6%	6%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	45%	45%
Dunloggin MS	<=5%	<=5%	33%	34%	16%	15%	<=5%	<=5%	8%	8%	<=5%	<=5%	39%	38%
Elkridge Landing MS	<=5%	<=5%	17%	17%	23%	23%	<=5%	<=5%	8%	8%	6%	6%	46%	46%
Ellicott Mills MS	<=5%	<=5%	32%	32%	14%	15%	<=5%	<=5%	6%	6%	<=5%	<=5%	43%	43%
Folly Quarter MS	<=5%	<=5%	27%	27%	6%	6%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	57%	57%
Glenwood MS	<=5%	<=5%	8%	9%	6%	6%	<=5%	<=5%	7%	8%	<=5%	<=5%	75%	73%
Hammond MS	<=5%	<=5%	12%	13%	26%	27%	<=5%	<=5%	8%	8%	8%	8%	45%	43%
Harpers Choice MS	<=5%	<=5%	8%	8%	50%	50%	<=5%	<=5%	16%	16%	8%	8%	18%	18%
Lake Elkhorn MS	<=5%	<=5%	10%	10%	51%	51%	<=5%	<=5%	18%	18%	7%	7%	14%	14%
Lime Kiln MS	<=5%	<=5%	28%	28%	12%	12%	<=5%	<=5%	<=5%	<=5%	6%	6%	50%	50%
Mayfield Woods MS	<=5%	<=5%	13%	13%	29%	29%	<=5%	<=5%	25%	25%	<=5%	<=5%	28%	28%
Mount View MS	<=5%	<=5%	36%	36%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	<=5%	49%	49%
Murray Hill MS	<=5%	<=5%	17%	17%	45%	45%	<=5%	<=5%	21%	21%	<=5%	<=5%	13%	13%
Oakland Mills MS	<=5%	<=5%	<=5%	6%	37%	38%	<=5%	<=5%	21%	21%	10%	9%	27%	26%
Patapsco MS	<=5%	<=5%	33%	33%	11%	11%	<=5%	<=5%	9%	9%	<=5%	<=5%	43%	43%
Patuxent Valley MS	<=5%	<=5%	17%	17%	38%	38%	<=5%	<=5%	18%	18%	6%	6%	21%	21%
Thomas Viaduct MS	<=5%	<=5%	14%	14%	45%	45%	<=5%	<=5%	18%	18%	<=5%	<=5%	18%	18%
Wilde Lake MS	<=5%	<=5%	8%	7%	47%	42%	<=5%	<=5%	11%	11%	9%	9%	25%	30%
Countywide Average	<=5%		21%		25%		<=5%		12%		6%		36%	

See page 35 for information about the data used in these reports.

High School Option # 2 - High and Middle ESOL Report

School	% ESOL Participation	
	Base	Proposed
Atholton HS	<=5%	<=5%
Centennial HS	<=5%	<=5%
Glenelg HS	<=5%	<=5%
Hammond HS	<=5%	<=5%
Howard HS	<=5%	<=5%
Long Reach HS	6%	6%
Marriotts Ridge HS	<=5%	<=5%
Mt Hebron HS	<=5%	<=5%
Oakland Mills HS	<=5%	<=5%
Reservoir HS	<=5%	<=5%
River Hill HS	<=5%	<=5%
Wilde Lake HS	<=5%	<=5%
Countywide Average	<=5%	

School	% ESOL Participation	
	Base	Proposed
Bonnie Branch MS	6%	6%
Burleigh Manor MS	<=5%	<=5%
Clarksville MS	<=5%	<=5%
Dunloggin MS	<=5%	<=5%
Elkridge Landing MS	<=5%	<=5%
Ellicott Mills MS	<=5%	<=5%
Folly Quarter MS	<=5%	<=5%
Glenwood MS	<=5%	<=5%
Hammond MS	<=5%	<=5%
Harpers Choice MS	<=5%	<=5%
Lake Elkhorn MS	<=5%	<=5%
Lime Kiln MS	<=5%	<=5%
Mayfield Woods MS	<=5%	<=5%
Mount View MS	<=5%	<=5%
Murray Hill MS	<=5%	<=5%
Oakland Mills MS	<=5%	<=5%
Patapsco MS	<=5%	<=5%
Patuxent Valley MS	<=5%	<=5%
Thomas Viaduct MS	6%	6%
Wilde Lake MS	<=5%	<=5%
Countywide Average	<=5%	

See page 35 for information about the data used in these reports.

High School Option # 2 - High and Middle FARM and Test Percentages

FARM/Test Data High School 2

School Name	FARM	PSAT-Read	PSAT-Math
Atholton HS	13%	72%	55%
Centennial HS	12%	78%	66%
Glenelg HS	<=5%	76%	62%
Hammond HS	40%	44%	26%
Howard HS	15%	65%	46%
Long Reach HS	36%	53%	33%
Marriotts Ridge HS	8%	80%	68%
Mt Hebron HS	13%	71%	60%
Oakland Mills HS	48%	45%	24%
Reservoir HS	27%	57%	43%
River Hill HS	<=5%	80%	71%
Wilde Lake HS	42%	46%	29%

System-wide total	22%	64%	48%
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FARM/Test Data High School 2

School Name	FARM	PARCC-Read	PARCC-Math
Bonnie Branch MS	32%	49%	49%
Burleigh Manor MS	11%	76%	74%
Clarksville MS	<=5%	84%	84%
Dunloggin MS	19%	63%	59%
Elkridge Landing MS	21%	57%	44%
Ellicott Mills MS	11%	64%	66%
Folly Quarter MS	<=5%	69%	76%
Glenwood MS	7%	64%	61%
Hammond MS	21%	61%	54%
Harpers Choice MS	51%	30%	28%
Lake Elkhorn MS	52%	35%	27%
Lime Kiln MS	<=5%	72%	70%
Mayfield Woods MS	43%	43%	37%
Mount View MS	<=5%	76%	77%
Murray Hill MS	38%	47%	41%
Oakland Mills MS	48%	36%	32%
Patapsco MS	16%	57%	64%
Patuxent Valley MS	37%	44%	37%
Thomas Viaduct MS	45%	38%	29%
Wilde Lake MS	42%	47%	39%

System-wide total	25%	57%	54%
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See page 35 for information about the data used in these reports.

Foreseeable Attendance Area Adjustments Elementary Summary

Elementary School Boundary Review

Over the past 15 years, one of the strategies in the discussions on boundary options has been to relieve elementary schools using western capacity. In 2012, the southeastern county was relieved using capacity at Dayton Oaks ES and Fulton ES. In 2017, similar options of utilizing western capacities were proposed to relieve Manor Woods ES, St. Johns Lane ES, and Pointers Run ES. Since then, demand for early childhood regional programs has increased, and, absent a long-range facility plan for these programs or any certainty on future school boundaries, capacity at several elementary schools are being used for early childhood regional programs. Early childhood program expansion has occurred at Dayton Oaks ES, reducing K-5 capacity from 788 to 675. Additionally, a regional ALS program was located at Clarksville ES reducing the capacity from 612 to 543. The regional program expansion leaves approximately 150 seats available at Bushy Park ES, and 100 seats at Clarksville ES, which in turn, could allow for boundary changes to relieve Pointers Run ES, Waverly ES, West Friendship ES, and potentially St. John's Lane ES. In the interim, boundaries should be adjusted to best utilize existing seats. Utilizing western capacities offers a delay in need for ES #44 in the Turf Valley portion, and fully utilizes existing capacities until the anticipated school opens in SY 2026-27.

Western Option # 1 - Summary and Polygon Moves

Turf Valley and Western-area Elementary schools

In SY 2018-19, the boundaries of Triadelphia Ridge ES, Waverly ES, and West Friendship ES were adjusted to provide crowding relief for Manor Woods ES. The crowding at Manor Woods ES was primarily due to the residential development in the Turf Valley community. Projections indicate more adjustments are necessary in SY 2020-21. Adjacent capacity at Bushy Park ES is available to balance the demands of existing and projected student enrollment.

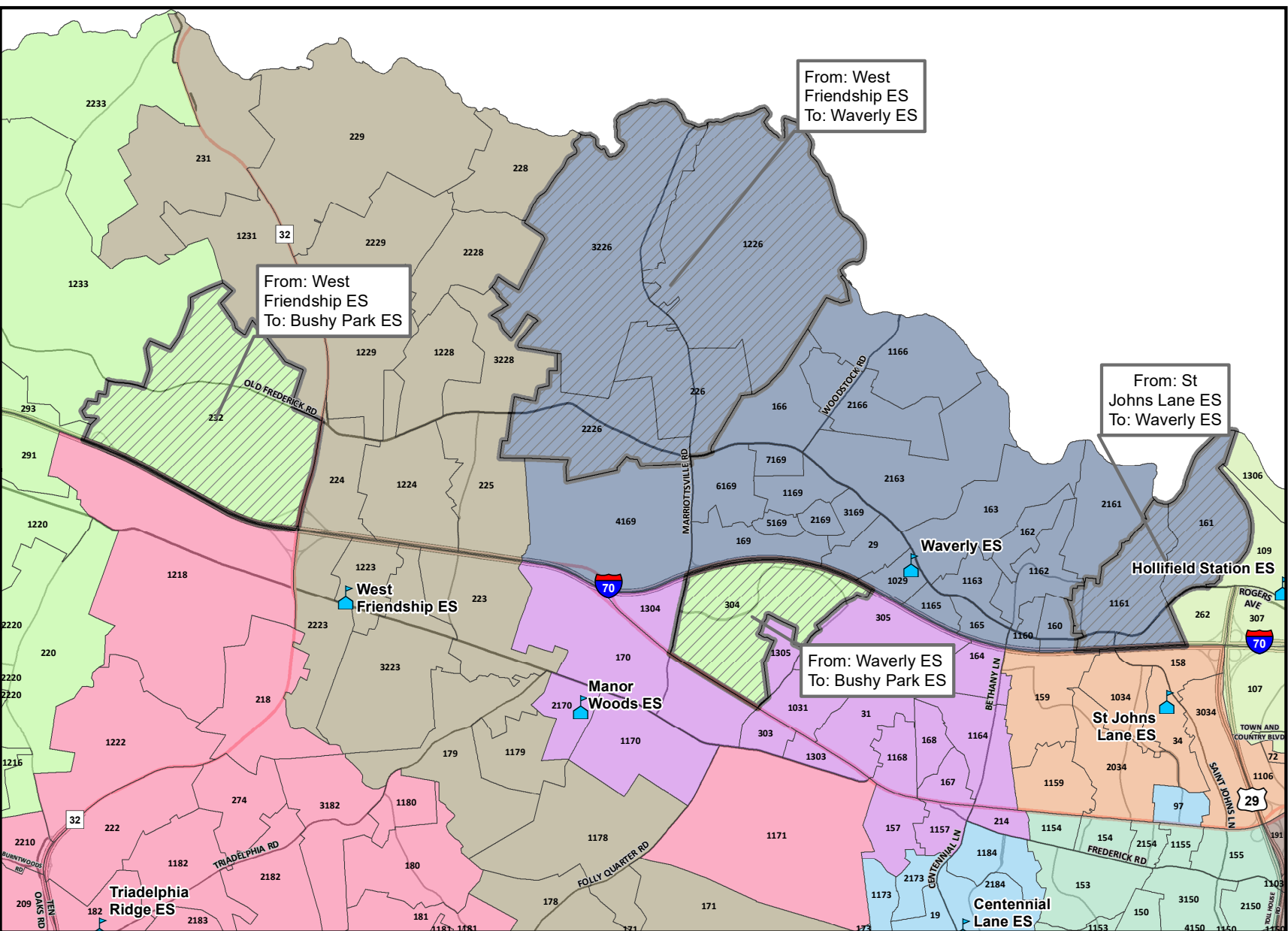
Western ES Option 1:

Given existing student population growth and anticipated growth in Turf Valley, considerations must be given to provide relief to West Friendship ES. West Friendship ES is the oldest elementary school within Howard County, and it lacks spaces for the anticipated growth (absent a boundary adjustment) and smaller spaces needed for the current program delivery model. Given the possible location of New ES #44, this option could provide the least disruption when boundaries are studied for this new project. The option presented below brings Bushy Park ES, St. John's Lane ES and West Friendship ES within target utilization until SY 2024-25, fully utilizing available capacity at Bushy Park ES. This plan does reassign an area that was moved for SY 2018-19. This option creates a non-contiguous boundary at Bushy Park ES and an initial small feed at Mount View MS. It is anticipated that the neighborhoods within this area could be greater than 15 percent feed by SY 2023-24.

Middle school reassignment may be desired from Mount View MS to Glenwood MS to eliminate an additional small feed created under this option. Waverly ES remains between 112% and 116% through SY 2025, which would be an improvement over the current projections for the school.

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
St. John's Lane ES	Waverly ES	117	161, 1161
Waverly ES	Bushy Park ES	134	304
West Friendship ES	Bushy Park ES	54	232
West Friendship ES	Waverly ES	50	226, 1226, 2226, 3226
Total		355	

Western Option # 1 - Elementary School Map



2019 Feasibility Study Boundary Review

Western ES Option #1

Showing proposed boundaries and areas reassigned for this option.



Western Option # 1 - Elementary Post Measures

Post-Measures

Western Option 1

ELEMENTARY SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

School	Capacity				2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Atholton ES	424	424	424	424	461	108.7	457	107.8	449	105.9	442	104.2	444	104.7	444	104.7	443	104.5	442	104.2	441	104.0	441	104.0	442	104.2
Bellows Spring ES	726	726	726	726	767	105.6	808	111.3	826	113.8	843	116.1	867	119.4	889	122.5	885	121.9	880	121.2	884	121.8	876	120.7	853	117.5
Bollman Bridge ES	666	666	666	666	683	102.6	695	104.4	706	106.0	754	113.2	765	114.9	760	114.1	747	112.2	739	111.0	737	110.7	722	108.4	737	110.7
Bryant Woods ES	361	361	361	361	451	124.9	465	128.8	475	131.6	478	132.4	489	135.5	495	137.1	500	138.5	508	140.7	518	143.5	528	146.3	534	147.9
Bushy Park ES	725	725	725	725	785	108.3	787	108.6	815	112.4	812	112.0	817	112.7	816	112.6	836	115.3	837	115.4	871	120.1	897	123.7	893	123.2
Centennial Lane ES	647	647	647	647	715	110.5	718	111.0	736	113.8	727	112.4	741	114.5	757	117.0	768	118.7	788	121.8	788	121.8	801	123.8	803	124.1
Clarksville ES	543	543	543	543	381	70.2	388	71.5	377	69.4	367	67.6	364	67.0	379	69.8	380	70.0	379	69.8	399	73.5	400	73.7	406	74.8
Clemens Crossing ES	521	521	521	521	548	105.2	595	114.2	591	113.4	605	116.1	620	119.0	633	121.5	660	126.7	670	128.6	693	133.0	715	137.2	727	139.5
Cradlerock ES	398	398	398	398	460	115.6	475	119.3	470	118.1	473	118.8	473	118.8	473	118.8	474	119.1	472	118.6	472	118.6	476	119.6	475	119.3
Dayton Oaks ES	700	700	700	700	667	95.3	708	101.1	717	102.4	752	107.4	789	112.7	807	115.3	818	116.9	815	116.4	837	119.6	854	122.0	875	125.0
Deep Run ES	750	750	750	750	682	90.9	713	95.1	731	97.5	752	100.3	786	104.8	806	107.5	820	109.3	843	112.4	866	115.5	892	118.9	905	120.7
Ducketts Lane ES	650	650	650	650	569	87.5	580	89.2	589	90.6	603	92.8	600	92.3	602	92.6	614	94.5	614	94.5	609	93.7	607	93.4	604	92.9
Elkridge ES	760	760	760	760	893	117.5	908	119.5	909	119.6	906	119.2	926	121.8	965	127.0	986	129.7	1057	139.1	1116	146.8	1144	150.5	1137	149.6
Forest Ridge ES	713	713	713	713	678	95.1	692	97.1	694	97.3	713	100.0	740	103.8	796	111.6	844	118.4	883	123.8	919	128.9	942	132.1	956	134.1
Fulton ES	826	826	826	826	1009	122.2	1041	126.0	1038	125.7	1072	129.8	1070	129.5	1067	129.2	1048	126.9	1019	123.4	1025	124.1	1006	121.8	1008	122.0
Gorman Crossing ES	735	735	735	735	826	112.4	860	117.0	878	119.5	869	118.2	861	117.1	852	115.9	863	117.4	871	118.5	865	117.7	850	115.6	856	116.5
Guilford ES	465	465	465	465	367	78.9	360	77.4	346	74.4	351	75.5	364	78.3	398	85.6	407	87.5	417	89.7	430	92.5	436	93.8	433	93.1
Hammond ES	653	653	653	653	618	94.6	614	94.0	626	95.9	658	100.8	696	106.6	728	111.5	752	115.2	802	122.8	827	126.6	853	130.6	866	132.6
Hanover Hills ES	NS	810	810	810	723	89.3	705	87.0	713	88.0	706	87.2	697	86.0	697	86.0	694	85.7	729	90.0	752	92.8	747	92.2	737	91.0
Hollifield Station ES	732	732	732	732	923	126.1	906	123.8	884	120.8	862	117.8	870	118.9	868	118.6	869	118.7	864	118.0	862	117.8	858	117.2	868	118.6
Ilchester ES	584	584	584	584	598	102.4	582	99.7	608	104.1	625	107.0	641	109.8	704	120.5	725	124.1	753	128.9	780	133.6	805	137.8	815	139.6
Jeffers Hill ES	421	421	421	421	413	98.1	408	96.9	387	91.9	395	93.8	389	92.4	390	92.6	399	94.8	407	96.7	416	98.8	426	101.2	431	102.4
Laurel Woods ES	609	609	609	609	556	91.3	563	92.4	561	92.1	546	89.7	550	90.3	546	89.7	555	91.1	554	91.0	555	91.1	556	91.3	580	95.2
Lisbon ES	527	527	527	527	484	91.8	505	95.8	510	96.8	519	98.5	523	99.2	517	98.1	533	101.1	562	106.6	590	112.0	594	112.7	597	113.3
Longfellow ES	512	512	512	512	438	85.5	452	88.3	468	91.4	470	91.8	474	92.6	490	95.7	499	97.5	507	99.0	520	101.6	529	103.3	535	104.5
Manor Woods ES	681	681	681	681	624	91.6	630	92.5	611	89.7	638	93.7	607	89.1	597	87.7	613	90.0	607	89.1	615	90.3	621	91.2	624	91.6
New ES #43	NS	0	0	0																						
New ES #44	NS	0	0	0																						
New ES #45	NS	0	0	0																						
Northfield ES	700	700	700	700	759	108.4	776	110.9	772	110.3	796	113.7	824	117.7	842	120.3	876	125.1	899	128.4	939	134.1	960	137.1	962	137.4
Phelps Luck ES	597	597	597	597	566	94.8	583	97.7	583	97.7	596	99.8	584	97.8	594	99.5	593	99.3	591	99.0	613	102.7	623	104.4	630	105.5
Pointers Run ES	744	744	744	744	925	124.3	974	130.9	1018	136.8	1058	142.2	1060	142.5	1056	141.9	1035	139.1	1010	135.8	973	130.8	940	126.3	909	122.2
Rockburn ES	584	584	584	584	593	101.5	611	104.6	611	104.6	627	107.4	638	109.2	654	112.0	676	115.8	677	115.9	678	116.1	673	115.2	663	113.5
Running Brook ES	515	515	515	515	468	90.9	471	91.5	500	97.1	551	107.0	583	113.2	610	118.4	644	125.0	673	130.7	712	138.3	724	140.6	749	145.4
St Johns Lane ES	612	612	612	612	609	99.5	618	101.0	631	103.1	646	105.6	647	105.7	665	108.7	667	109.0	663	108.3	656	107.2	650	106.2	648	105.9
Stevens Forest ES	380	380	380	380	414	108.9	420	110.5	427	112.4	440	115.8	435	114.5	434	114.2	435	114.5	439	115.5	439	115.5	438	115.3	439	115.5
Swansfield ES	A	694	694	694	547	78.8	538	77.5	536	77.2	538	77.5	535	77.1	542	78.1	545	78.5	555	80.0	572	82.4	582	83.9	591	85.2
Talbot Springs ES	377	377	540	540	465	123.3	442	117.2	426	78.9	406	75.2	409	75.7	422	78.1	425	78.7	439	81.3	458	84.8	477	88.3	487	90.2
Thunder Hill ES	509	509	509	509	508	99.8	487	95.7	485	95.3	467	91.7	466	91.6	468	91.9	467	91.7	489	96.1	499	98.0	511	100.4	516	101.4
Triadelphia Ridge ES	606	606	606	606	542	89.4	541	89.3	551	90.9	554	91.4	552	91.1	566	93.4	565	93.2	562	92.7	558	92.1	542	89.4	529	87.3
Veterans ES	799	799	799	799	822	102.9	808	101.1	799	100.0	794	99.4	801	100.3	800	100.1	830	103.9	867	108.5	867	108.5	868	108.6	864	108.1
Waterloo ES	603	603	603	603	548	90.9	525	87.1	521	86.4	486	80.6	508	84.2	519	86.1	526	87.2	531	88.1	557	92.4	569	94.4	573	95.0
Waverly ES	A	788	788	788	919	116.6	892	113.2	874	110.9	867	110.0	898	114.0	889	112.8	872	110.7	881	111.8	885	112.3	873	110.8	856	108.6
West Friendship ES	414	414	414	414	322	77.6	341	82.4	351	84.8	373	90.1	405	97.8	429	103.6	436	105.3	444	107.2	458	110.6	468	113.0	470	113.5
Worthington ES	515	515	515	515	458	88.9	457	88.7	459	89.1	469	91.1	492	95.5	515	100.0	531	103.1	607	117.9	660	128.2	661	128.3	641	124.5
Countywide Totals	25576	25576	25739	25739	25784	100.8	26099	102.0	26259	102.0	26606	103.4	27000	102.5	27481	104.3	27855	103.4	28346	105.2	28911	107.3	29135	108.2	29224	106.5

A' includes additions as proposed for FY 2021 CIP for grades K-5

Western Option # 1 - Elementary Assessments

Elementary School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	4	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	0	
	Mean	4.2	4.7	
Proximity to school			NEGLIGIBLE	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Strengthened	NA	2	
	# of Schools Weakened	NA	2	
Small MS from ES Feeds (under 15%)	Mean	5789	5819	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
	(smaller # = closer set of polygons)		NEGLIGIBLE	
	# of Small Feeds	17	17	
Double Small Feed			NEGLIGIBLE	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
	# of Double Small Feeds	1	1	
			NEGLIGIBLE	
Non-contiguous Attendance Areas	Number of "Islands"	5	6	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			WEAKNESS	
Students moved within 5 yrs of last ES move	Number	NA	0	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	% of Enrollment	NA	0.0%	
			0	
Students Moved	Number moved in	NA	355	
	Number moved out	NA	355	
Strength		Negligible	Weakness	

Western Option # 1 - Middle School Feed Report

Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed	Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Bonnie Branch MS	Ilchester ES Jeffers Hill ES Phelps Luck ES Rockburn ES Waterloo ES	47.7% 2.1% 45.9% 4.3% 0.0%	Ilchester ES Jeffers Hill ES Phelps Luck ES Rockburn ES Waterloo ES	47.7% 2.1% 45.9% 4.3% 0.0%	Lake Elkhorn MS	Cradlerock ES Guilford ES Jeffers Hill ES Talbott Springs ES	41.1% 26.5% 24.1% 8.3%	Cradlerock ES Guilford ES Jeffers Hill ES Talbott Springs ES	41.1% 26.5% 24.1% 8.3%
Burleigh Manor MS	Centennial Lane ES Manor Woods ES Northfield ES Triadelphia Ridge ES	56.3% 27.1% 15.4% 1.1%	Centennial Lane ES Manor Woods ES Northfield ES Triadelphia Ridge ES	56.3% 27.1% 15.4% 1.1%	Lime Kiln MS	Dayton Oaks ES Fulton ES Pointers Run ES	27.8% 58.6% 13.5%	Dayton Oaks ES Fulton ES Pointers Run ES	27.8% 58.6% 13.5%
Clarksville MS	Clarksville ES Pointers Run ES	46.2% 53.8%	Clarksville ES Pointers Run ES	46.2% 53.8%	Mayfield Woods MS	Bellows Spring ES Deep Run ES Jeffers Hill ES Waterloo ES	29.5% 42.4% 10.0% 18.1%	Bellows Spring ES Deep Run ES Jeffers Hill ES Waterloo ES	29.5% 42.4% 10.0% 18.1%
Dunloggin MS	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	6.7% 44.7% 11.6% 5.2% 31.8%	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	6.7% 44.7% 11.6% 5.2% 31.8%	Mount View MS	Manor Woods ES Waverly ES West Friendship ES	22.3% 46.8% 30.9%	Bushy Park ES Manor Woods ES Waverly ES West Friendship ES	8.5% 22.3% 44.9% 24.2%
Elkridge Landing MS	Elkridge ES Rockburn ES	65.8% 34.2%	Elkridge ES Rockburn ES	65.8% 34.2%	Murray Hill MS	Gorman Crossing ES Laurel Woods ES	54.4% 45.6%	Gorman Crossing ES Laurel Woods ES	54.4% 45.6%
Ellicott Mills MS	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	20.7% 26.9% 17.9% 34.5%	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	20.7% 26.9% 17.9% 34.5%	Oakland Mills MS	Atholton ES Stevens Forest ES Talbott Springs ES Thunder Hill ES	9.2% 41.0% 35.1% 14.6%	Atholton ES Stevens Forest ES Talbott Springs ES Thunder Hill ES	9.2% 41.0% 35.1% 14.6%
Folly Quarter MS	Bushy Park ES Clarksville ES Dayton Oaks ES Triadelphia Ridge ES	18.9% 0.1% 30.9% 50.1%	Bushy Park ES Clarksville ES Dayton Oaks ES Triadelphia Ridge ES	18.9% 0.1% 30.9% 50.1%	Patapsco MS	Hollifield Station ES St Johns Lane ES Waverly ES	48.1% 40.6% 11.3%	Hollifield Station ES St Johns Lane ES Waverly ES	48.1% 31.3% 20.6%
Glenwood MS	Bushy Park ES Lisbon ES	48.2% 51.8%	Bushy Park ES Lisbon ES	48.2% 51.8%	Patuxent Valley MS	Bollman Bridge ES Forest Ridge ES	49.3% 50.7%	Bollman Bridge ES Forest Ridge ES	49.3% 50.7%
Hammond MS	Atholton ES Fulton ES Guilford ES Hammond ES	25.8% 16.0% 0.0% 58.2%	Atholton ES Fulton ES Guilford ES Hammond ES	25.8% 16.0% 0.0% 58.2%	Thomas Viaduct MS	Bellows Spring ES Ducketts Lane ES Guilford ES Hanover Hills ES	10.6% 35.9% 9.0% 44.5%	Bellows Spring ES Ducketts Lane ES Guilford ES Hanover Hills ES	10.6% 35.9% 9.0% 44.5%
Harpers Choice MS	Longfellow ES Swansfield ES	39.9% 60.1%	Longfellow ES Swansfield ES	39.9% 60.1%	Wilde Lake MS	Bryant Woods ES Clemens Crossing ES Running Brook ES	34.6% 29.4% 36.0%	Bryant Woods ES Clemens Crossing ES Running Brook ES	34.6% 29.4% 36.0%

Western Option # 1 - Elementary Race Report

Elementary School	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Atholton ES	<=5%	<=5%	8%	8%	21%	21%	<=5%	<=5%	10%	10%	9%	9%	52%	52%
Bellows Spring ES	<=5%	<=5%	30%	30%	25%	25%	<=5%	<=5%	11%	11%	6%	6%	27%	27%
Bollman Bridge ES	<=5%	<=5%	8%	8%	38%	38%	<=5%	<=5%	23%	23%	6%	6%	23%	23%
Bryant Woods ES	<=5%	<=5%	<=5%	<=5%	55%	55%	<=5%	<=5%	12%	12%	9%	9%	20%	20%
Bushy Park ES	<=5%	<=5%	14%	25%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	72%	62%
Centennial Lane ES	<=5%	<=5%	50%	50%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	7%	7%	33%	33%
Clarksville ES	<=5%	<=5%	56%	56%	8%	8%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	27%	27%
Clemens Crossing ES	<=5%	<=5%	15%	15%	17%	17%	<=5%	<=5%	9%	9%	11%	11%	48%	48%
Cradlerock ES	<=5%	<=5%	7%	7%	48%	48%	<=5%	<=5%	16%	16%	8%	8%	21%	21%
Dayton Oaks ES	<=5%	<=5%	20%	20%	10%	10%	<=5%	<=5%	<=5%	<=5%	6%	6%	59%	59%
Deep Run ES	<=5%	<=5%	14%	14%	15%	15%	<=5%	<=5%	40%	40%	<=5%	<=5%	24%	24%
Ducketts Lane ES	<=5%	<=5%	13%	13%	39%	39%	<=5%	<=5%	21%	21%	<=5%	<=5%	22%	22%
Elkridge ES	<=5%	<=5%	18%	18%	27%	27%	<=5%	<=5%	8%	8%	7%	7%	40%	40%
Forest Ridge ES	<=5%	<=5%	23%	23%	35%	35%	<=5%	<=5%	14%	14%	7%	7%	21%	21%
Fulton ES	<=5%	<=5%	31%	31%	14%	14%	<=5%	<=5%	<=5%	<=5%	10%	10%	41%	41%
Gorman Crossing ES	<=5%	<=5%	29%	29%	33%	33%	<=5%	<=5%	11%	11%	7%	7%	20%	20%
Guilford ES	<=5%	<=5%	16%	16%	47%	47%	<=5%	<=5%	12%	12%	7%	7%	19%	19%
Hammond ES	<=5%	<=5%	13%	13%	29%	29%	<=5%	<=5%	12%	12%	8%	8%	37%	37%
Hanover Hills ES	<=5%	<=5%	25%	25%	38%	38%	<=5%	<=5%	15%	15%	<=5%	<=5%	16%	16%
Hollifield Station ES	<=5%	<=5%	45%	45%	15%	15%	<=5%	<=5%	12%	12%	<=5%	<=5%	25%	25%
Ilchester ES	<=5%	<=5%	27%	27%	6%	6%	<=5%	<=5%	<=5%	<=5%	6%	6%	58%	58%
Jeffers Hill ES	<=5%	<=5%	12%	12%	38%	38%	<=5%	<=5%	20%	20%	9%	9%	20%	20%
Laurel Woods ES	<=5%	<=5%	11%	11%	52%	52%	<=5%	<=5%	25%	25%	6%	6%	7%	7%
Lisbon ES	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	8%	8%	7%	7%	79%	79%
Longfellow ES	<=5%	<=5%	10%	10%	33%	33%	<=5%	<=5%	23%	23%	11%	11%	23%	23%
Manor Woods ES	<=5%	<=5%	47%	47%	9%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	35%	35%
Northfield ES	<=5%	<=5%	27%	27%	9%	9%	<=5%	<=5%	6%	6%	9%	9%	48%	48%
Phelps Luck ES	<=5%	<=5%	6%	6%	38%	38%	<=5%	<=5%	30%	30%	9%	9%	17%	17%
Pointers Run ES	<=5%	<=5%	33%	33%	9%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	49%	49%
Rockburn ES	<=5%	<=5%	19%	19%	13%	13%	<=5%	<=5%	<=5%	<=5%	7%	7%	55%	55%
Running Brook ES	<=5%	<=5%	<=5%	<=5%	57%	57%	<=5%	<=5%	12%	12%	8%	8%	18%	18%
St Johns Lane ES	<=5%	<=5%	35%	36%	13%	13%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	43%	41%
Stevens Forest ES	<=5%	<=5%	6%	6%	40%	40%	<=5%	<=5%	29%	29%	10%	10%	14%	14%
Swansfield ES	<=5%	<=5%	<=5%	<=5%	55%	55%	<=5%	<=5%	18%	18%	7%	7%	15%	15%
Talbott Springs ES	<=5%	<=5%	<=5%	<=5%	40%	40%	<=5%	<=5%	25%	25%	7%	7%	24%	24%
Thunder Hill ES	<=5%	<=5%	19%	19%	27%	27%	<=5%	<=5%	8%	8%	9%	9%	37%	37%
Triadelphia Ridge ES	<=5%	<=5%	29%	29%	8%	8%	<=5%	<=5%	7%	7%	9%	9%	47%	47%
Veterans ES	<=5%	<=5%	52%	52%	14%	14%	<=5%	<=5%	7%	7%	<=5%	<=5%	25%	25%
Waterloo ES	<=5%	<=5%	23%	23%	29%	29%	<=5%	<=5%	<=5%	<=5%	7%	7%	36%	36%
Waverly ES	<=5%	<=5%	49%	42%	7%	7%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	37%	43%
West Friendship ES	<=5%	<=5%	22%	18%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	6%	65%	70%
Worthington ES	<=5%	<=5%	39%	39%	7%	7%	<=5%	<=5%	<=5%	<=5%	6%	6%	44%	44%
Countywide Average	<=5%		22%		25%		<=5%		12%		7%		34%	

See page 35 for information about the data used in this report.

Western Option # 1 - Elementary ESOL Report

School	% ESOL Participation	
	Base	Proposed
Atholton ES	<=5%	<=5%
Bellows Spring ES	9%	9%
Bollman Bridge ES	14%	14%
Bryant Woods ES	<=5%	<=5%
Bushy Park ES	<=5%	<=5%
Centennial Lane ES	6%	6%
Clarksville ES	6%	6%
Clemens Crossing ES	<=5%	<=5%
Cradlerock ES	8%	8%
Dayton Oaks ES	<=5%	<=5%
Deep Run ES	23%	23%
Ducketts Lane ES	16%	16%
Elkridge ES	6%	6%
Forest Ridge ES	9%	9%
Fulton ES	6%	6%
Gorman Crossing ES	7%	7%
Guilford ES	7%	7%
Hammond ES	6%	6%
Hanover Hills ES	11%	11%
Hollifield Station ES	13%	13%
Ilchester ES	<=5%	<=5%
Jeffers Hill ES	9%	9%
Laurel Woods ES	13%	13%
Lisbon ES	<=5%	<=5%
Longfellow ES	<=5%	<=5%
Manor Woods ES	8%	8%
Northfield ES	<=5%	<=5%
Phelps Luck ES	17%	17%
Pointers Run ES	<=5%	<=5%
Rockburn ES	<=5%	<=5%
Running Brook ES	6%	6%
St Johns Lane ES	<=5%	<=5%
Stevens Forest ES	20%	20%
Swansfield ES	8%	8%
Talbott Springs ES	12%	12%
Thunder Hill ES	6%	6%
Triadelphia Ridge ES	<=5%	<=5%
Veterans ES	10%	10%
Waterloo ES	8%	8%
Waverly ES	<=5%	<=5%
West Friendship ES	<=5%	<=5%
Worthington ES	<=5%	<=5%
Countywide Average		7%

See page 35 for information about the data used in this report.

Western Option # 1 - Elementary FARM and Test Percentages

FARM/Test Data		Western 1	
School Name	FARM	PARCC-Read	PARCC-Math
Atholton ES	15%	47%	58%
Bellows Spring ES	17%	63%	59%
Bollman Bridge ES	50%	29%	32%
Bryant Woods ES	51%	37%	45%
Bushy Park ES	<=5%	77%	75%
Centennial Lane ES	6%	75%	82%
Clarksville ES	<=5%	83%	89%
Clemens Crossing ES	13%	66%	63%
Cradlerock ES	55%	35%	26%
Dayton Oaks ES	<=5%	69%	77%
Deep Run ES	54%	37%	40%
Ducketts Lane ES	53%	41%	40%
Elkridge ES	32%	44%	47%
Forest Ridge ES	33%	53%	50%
Fulton ES	<=5%	70%	77%
Gorman Crossing ES	18%	53%	59%
Guilford ES	45%	38%	36%
Hammond ES	24%	52%	60%
Hanover Hills ES	37%	43%	47%
Hollifield Station ES	24%	54%	56%
Ilchester ES	<=5%	84%	77%
Jeffers Hill ES	35%	43%	35%
Laurel Woods ES	61%	37%	37%
Lisbon ES	12%	67%	57%
Longfellow ES	49%	50%	50%
Manor Woods ES	8%	68%	72%
Northfield ES	11%	62%	65%
Phelps Luck ES	63%	36%	35%
Pointers Run ES	<=5%	72%	82%
Rockburn ES	6%	65%	70%
Running Brook ES	52%	32%	34%
St Johns Lane ES	10%	61%	61%
Stevens Forest ES	65%	33%	30%
Swansfield ES	61%	29%	34%
Talbott Springs ES	49%	53%	46%
Thunder Hill ES	21%	62%	63%
Triadelphia Ridge ES	<=5%	71%	80%
Veterans ES	21%	55%	59%
Waterloo ES	24%	65%	66%
Waverly ES	<=5%	75%	77%
West Friendship ES	6%	70%	66%
Worthington ES	<=5%	68%	72%
System-wide total	25%	57%	59%

See page 35 for information about the data used in this report.

Western Option # 2 - Summary and Polygon Moves

Western Option #2:

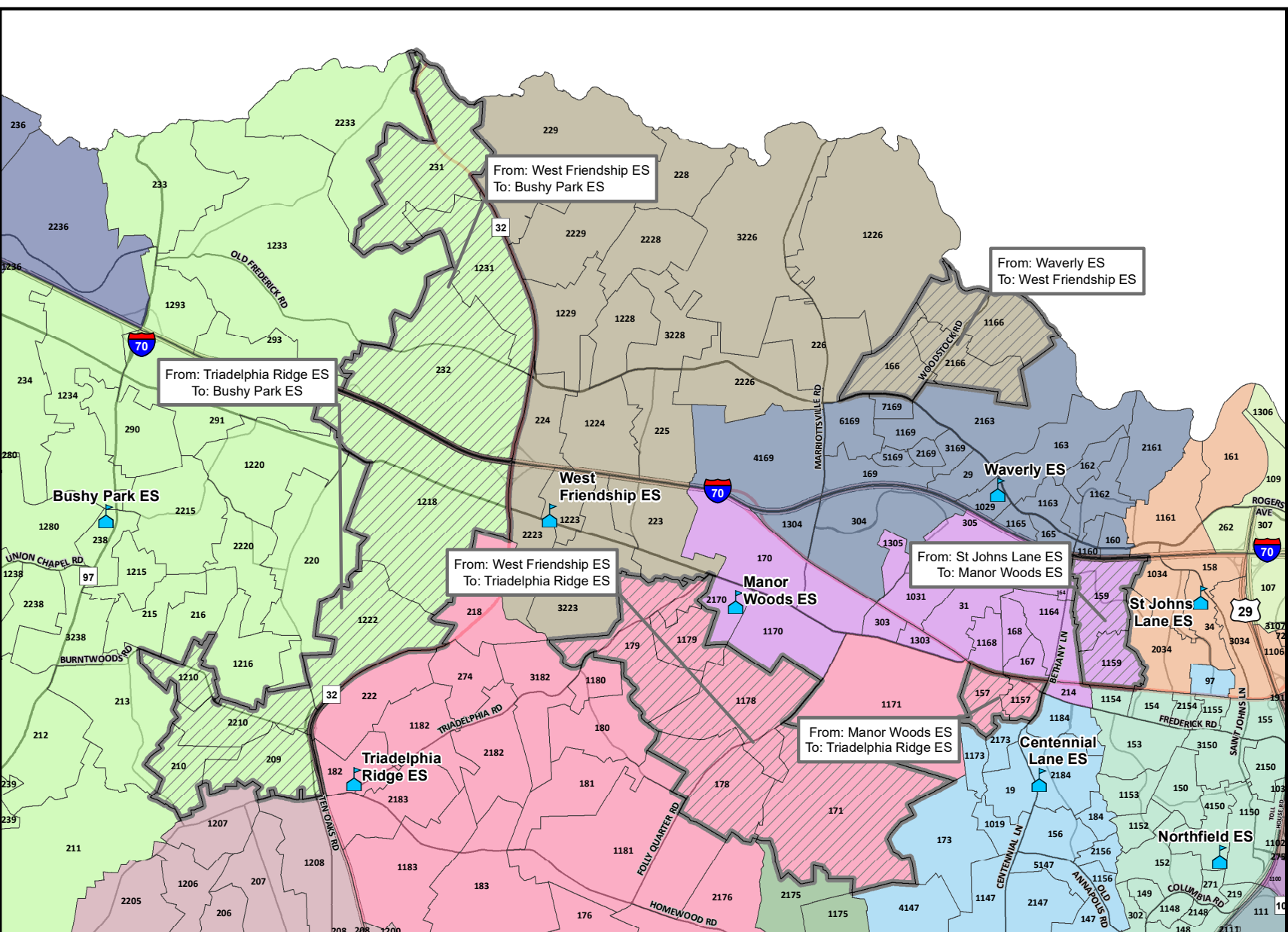
This option provides an alternative avenue for utilizing available capacity at Bushy Park ES, and includes corresponding moves at the middle school level to address new small feeds. The compromises of this option are that it does reassign areas affected by elementary school reassignment for SY 2018-19; however, in the longer-term, all schools remain within target utilization through SY 2026-27. Waverly ES remains above target utilization, however, this option improves capacity utilization between three and six percent in the five-year projection.

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Manor Woods ES	Triadelphia Ridge ES	68	157, 1157
Manor Woods ES	Waverly ES	*	1304
St. John's Lane ES	Manor Woods ES	120	159, 1159
Triadelphia Ridge ES	Bushy Park ES	119	209, 210, 1210, 1218, 1222, 2210
Waverly ES	West Friendship ES	53	166, 1166, 2166
West Friendship ES	Bushy Park ES	86	231, 232, 1231
West Friendship ES	Triadelphia Ridge ES	66	171, 178, 179, 1178, 1179
Total*		512	

* Values fewer than 10 are not included in the table, including the total.

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Mount View MS	Glenwood ES	46	231, 232, 1231
Patapsco MS	Burleigh Manor MS	46	159, 1159
Total		92	

Western Option # 2 - Elementary School Map



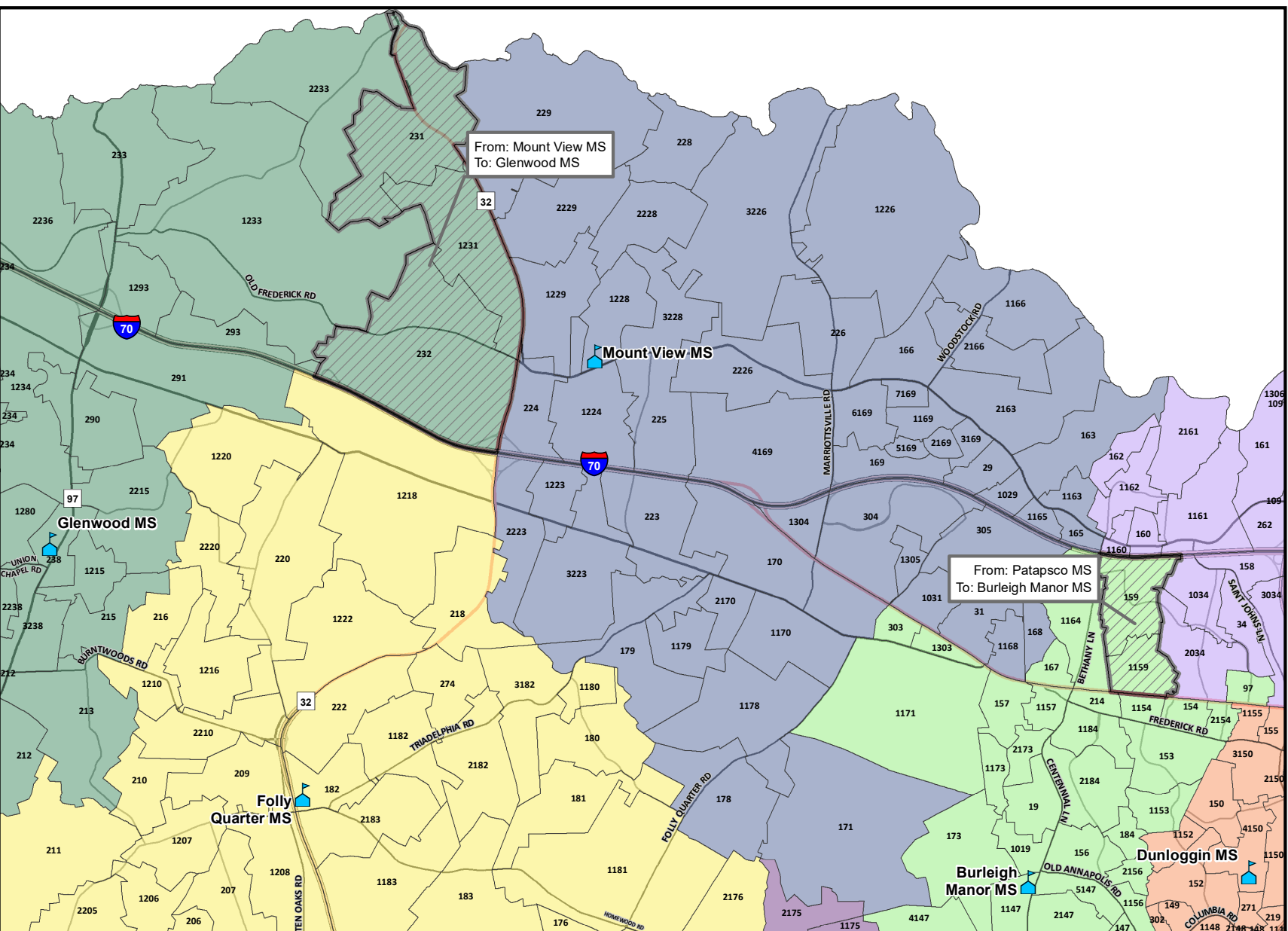
2019 Feasibility Study Boundary Review

Western ES Option #2 (Elementary Boundaries)

Showing proposed boundaries and areas reassigned for this option.



Western Option # 2 - Middle School Map



2019 Feasibility Study Boundary Review

Western ES Option #2 (Middle Boundaries)

Showing proposed boundaries and areas reassigned for this option.



Western Option # 2 - Elementary Measures

Post-Measures

Western Option 2

ELEMENTARY SCHOOLS - Data for Demonstrative Purposes Only
Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

School	Capacity				2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Atholton ES	424	424	424	424	461	108.7	457	107.8	449	105.9	442	104.2	444	104.7	444	104.7	443	104.5	442	104.2	441	104.0	441	104.0	442	104.2
Bellows Spring ES	726	726	726	726	767	105.6	808	111.3	826	113.8	843	116.1	867	119.4	889	122.5	885	121.9	880	121.2	884	121.8	876	120.7	853	117.5
Bollman Bridge ES	666	666	666	666	683	102.6	695	104.4	706	106.0	754	113.2	765	114.9	760	114.1	747	112.2	739	111.0	737	110.7	722	108.4	737	110.7
Bryant Woods ES	361	361	361	361	451	124.9	465	128.8	475	131.6	478	132.4	489	135.5	495	137.1	500	138.5	508	140.7	518	143.5	528	146.3	534	147.9
Bushy Park ES	725	725	725	725	802	110.6	768	105.9	769	106.1	749	103.3	742	102.3	738	101.8	751	103.6	750	103.4	784	108.1	803	110.8	795	109.7
Centennial Lane ES	647	647	647	647	715	110.5	718	111.0	736	113.8	727	112.4	741	114.5	757	117.0	768	118.7	788	121.8	788	121.8	801	123.8	803	124.1
Clarksville ES	543	543	543	543	381	70.2	388	71.5	377	69.4	367	67.6	364	67.0	379	69.8	380	70.0	379	69.8	399	73.5	400	73.7	406	74.8
Clemens Crossing ES	521	521	521	521	548	105.2	595	114.2	591	113.4	605	116.1	620	119.0	633	121.5	660	126.7	670	128.6	693	133.0	715	137.2	727	139.5
Cradlerock ES	398	398	398	398	460	115.6	475	119.3	470	118.1	473	118.8	473	118.8	473	118.8	474	119.1	472	118.6	472	118.6	476	119.6	475	119.3
Dayton Oaks ES	700	700	700	700	667	95.3	708	101.1	717	102.4	752	107.4	789	112.7	807	115.3	818	116.9	815	116.4	837	119.6	854	122.0	875	125.0
Deep Run ES	750	750	750	750	682	90.9	713	95.1	731	97.5	752	100.3	786	104.8	806	107.5	820	109.3	843	112.4	866	115.5	892	118.9	905	120.7
Ducketts Lane ES	650	650	650	650	569	87.5	580	89.2	589	90.6	603	92.8	600	92.3	602	92.6	614	94.5	614	94.5	609	93.7	607	93.4	604	92.9
Elkridge ES	760	760	760	760	893	117.5	908	119.5	909	119.6	906	119.2	926	121.8	965	127.0	986	129.7	1057	139.1	1116	146.8	1144	150.5	1137	149.6
Forest Ridge ES	713	713	713	713	678	95.1	692	97.1	694	97.3	713	100.0	740	103.8	796	111.6	844	118.4	883	123.8	919	128.9	942	132.1	956	134.1
Fulton ES	826	826	826	826	1009	122.2	1041	126.0	1038	125.7	1072	129.8	1070	129.5	1067	129.2	1048	126.9	1019	123.4	1025	124.1	1006	121.8	1008	122.0
Gorman Crossing ES	735	735	735	735	826	112.4	860	117.0	878	119.5	869	118.2	861	117.1	852	115.9	863	117.4	871	118.5	865	117.7	850	115.6	856	116.5
Guilford ES	465	465	465	465	367	78.9	360	77.4	346	74.4	351	75.5	364	78.3	398	85.6	407	87.5	417	89.7	430	92.5	436	93.8	433	93.1
Hammond ES	653	653	653	653	618	94.6	614	94.0	626	95.9	658	100.8	696	106.6	728	111.5	752	115.2	802	122.8	827	126.6	853	130.6	866	132.6
Hanover Hills ES	810	810	810	810	723	89.3	705	87.0	713	88.0	706	87.2	697	86.0	697	86.0	694	85.7	729	90.0	752	92.8	747	92.2	737	91.0
Hollifield Station ES	732	732	732	732	923	126.1	906	123.8	884	120.8	862	117.8	870	118.9	868	118.6	869	118.7	864	118.0	862	117.8	858	117.2	868	118.6
Ilchester ES	584	584	584	584	598	102.4	582	99.7	608	104.1	625	107.0	641	109.8	704	120.5	725	124.1	753	128.9	780	133.6	805	137.8	815	139.6
Jeffers Hill ES	421	421	421	421	413	98.1	408	96.9	387	91.9	395	93.8	389	92.4	390	92.6	399	94.8	407	96.7	416	98.8	426	101.2	431	102.4
Laurel Woods ES	609	609	609	609	556	91.3	563	92.4	561	92.1	546	89.7	550	90.3	546	89.7	555	91.1	554	91.0	555	91.1	556	91.3	580	95.2
Lisbon ES	527	527	527	527	484	91.8	505	95.8	510	96.8	519	98.5	523	99.2	517	98.1	533	101.1	562	106.6	590	112.0	594	112.7	597	113.3
Longfellow ES	512	512	512	512	438	85.5	452	88.3	468	91.4	470	91.8	474	92.6	490	95.7	499	97.5	507	99.0	520	101.6	529	103.3	535	104.5
Manor Woods ES	681	681	681	681	674	99.0	673	98.8	651	95.6	673	98.8	641	94.1	652	95.7	672	98.7	669	98.2	674	99.0	678	99.6	679	99.7
New ES #43	NS	0	0	0																						
New ES #44	NS	0	0	0																						
New ES #45	NS	0	0	0																						
Northfield ES	700	700	700	700	759	108.4	776	110.9	772	110.3	796	113.7	824	117.7	842	120.3	876	125.1	899	128.4	939	134.1	960	137.1	962	137.4
Phelps Luck ES	597	597	597	597	566	94.8	583	97.7	583	97.7	596	99.8	584	97.8	594	99.5	593	99.3	591	99.0	613	102.7	623	104.4	630	105.5
Pointers Run ES	744	744	744	744	925	124.3	974	130.9	1018	136.8	1058	142.2	1060	142.5	1056	141.9	1035	139.1	1010	135.8	973	130.8	940	126.3	909	122.2
Rockburn ES	584	584	584	584	593	101.5	611	104.6	611	104.6	627	107.4	638	109.2	654	112.0	676	115.8	677	115.9	678	116.1	673	115.2	663	113.5
Running Brook ES	515	515	515	515	468	90.9	471	91.5	500	97.1	551	107.0	583	113.2	610	118.4	644	125.0	673	130.7	712	138.3	724	140.6	749	145.4
St Johns Lane ES	612	612	612	612	606	99.0	614	100.3	627	102.5	641	104.7	659	107.7	659	107.7	653	106.7	648	105.9	642	104.9	635	103.8	634	103.6
Stevens Forest ES	380	380	380	380	414	108.9	420	110.5	427	112.4	440	115.8	435	114.5	434	114.2	435	114.5	439	115.5	439	115.5	438	115.3	439	115.5
Swansfield ES	694	694	694	694	547	78.8	538	77.5	536	77.2	538	77.5	535	77.1	542	78.1	545	78.5	555	80.0	572	82.4	582	83.9	591	85.2
Talbot Springs ES	377	377	540	540	465	123.3	442	117.2	426	78.9	406	75.2	409	75.7	422	78.1	425	78.7	439	81.3	458	84.8	477	88.3	487	90.2
Thunder Hill ES	509	509	509	509	508	99.8	487	95.7	485	95.3	467	91.7	466	91.6	468	91.9	467	91.7	489	96.1	499	98.0	511	100.4	516	101.4
Triadelphia Ridge ES	606	606	606	606	557	91.9	559	92.2	571	94.2	580	95.7	578	95.4	597	98.5	605	99.8	605	99.8	606	100.0	598	98.7	590	97.4
Veterans ES	799	799	799	799	822	102.9	808	101.1	799	100.0	794	99.4	801	100.3	800	100.1	830	103.9	867	108.5	867	108.5	868	108.6	864	108.1
Waterloo ES	603	603	603	603	548	90.9	525	87.1	521	86.4	486	80.6	508	84.2	519	86.1	526	87.2	531	88.1	557	92.4	569	94.4	573	95.0
Waverly ES	A	788	788	788	835	106.0	851	108.0	865	109.8	879	111.5	902	114.5	894	113.5	882	111.9	891	113.1	893	113.3	886	112.4	871	110.5
West Friendship ES	414	414	414	414	327	79.0	344	83.1	350	84.5	368	88.9	404	97.6	422	101.9	426	102.9	431	104.1	444	107.2	451	108.9	451	108.9
Worthington ES	515	515	515	515	458	88.9	457	88.7	459	89.1	469	91.1	492	95.5	515	100.0	531	103.1	607	117.9	660	128.2	661	128.3	641	124.5
Countywide Totals	25576	25576	25739	25739	25784	100.8	26099	102.0	26259	102.0	26606	103.4	27000	102.5	27481	104.3	27855	103.4	28346	105.2	28911	107.3	29135	108.2	29224	106.5

'A' includes additions as proposed for FY 2021 CIP for grades K-5

'NS' New School proposed for FY 2021 Capital Budget

'R' Replacement School proposed for FY 2021 Capital Budget

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

Western Option # 2 - Middle Post Measures

Post-Measures

Western Option 2

MIDDLE SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

School	Capacity				2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Bonnie Branch MS	701	701	701	701	691	98.6	654	93.3	656	93.6	651	92.9	693	98.9	706	100.7	740	105.6	712	101.6	724	103.3	717	102.3	749	106.8
Burleigh Manor MS	779	779	779	779	852	109.4	858	110.1	865	111.0	839	107.7	848	108.9	859	110.3	868	111.4	857	110.0	852	109.4	852	109.4	864	110.9
Clarksville MS	643	643	643	643	704	109.5	697	108.4	673	104.7	674	104.8	701	109.0	705	109.6	714	111.0	715	111.2	721	112.1	723	112.4	722	112.3
Dunloggin MS	A 565	565	565	565	652	115.4	658	116.5	673	119.1	671	118.8	676	102.1	673	101.7	689	104.1	692	104.5	681	102.9	677	102.3	691	104.4
Elkridge Landing MS	779	779	779	779	747	95.9	768	98.6	820	105.3	857	110.0	867	111.3	859	110.3	882	113.2	892	114.5	904	116.0	907	116.4	941	120.8
Ellicott Mills MS	701	701	701	701	910	129.8	912	130.1	884	126.1	893	127.4	878	125.2	866	123.5	861	122.8	860	122.7	863	123.1	860	122.7	913	130.2
Folly Quarter MS	662	662	662	662	674	101.8	677	102.3	664	100.3	660	99.7	649	98.0	668	100.9	679	102.6	700	105.7	692	104.5	701	105.9	710	107.3
Glenwood MS	545	545	545	545	578	106.1	576	105.7	555	101.8	553	101.5	552	101.3	576	105.7	595	109.2	610	111.9	606	111.2	612	112.3	616	113.0
Hammond MS	604	604	604	604	702	116.2	724	119.9	746	123.5	737	122.0	762	126.2	768	127.2	801	132.6	809	133.9	829	137.3	836	138.4	864	143.0
Harpers Choice MS	506	506	506	506	490	96.8	485	95.8	457	90.3	439	86.8	453	89.5	462	91.3	477	94.3	470	92.9	473	93.5	463	91.5	473	93.5
Lake Elkhorn MS	643	643	643	643	555	86.3	503	78.2	503	78.2	486	75.6	501	77.9	481	74.8	489	76.0	479	74.5	476	74.0	473	73.6	482	75.0
Lime Kiln MS	721	721	721	721	676	93.8	675	93.6	718	99.6	737	102.2	743	103.1	751	104.2	774	107.4	817	113.3	803	111.4	825	114.4	809	112.2
Mayfield Woods MS	798	798	798	798	842	105.5	839	105.1	833	104.4	822	103.0	850	106.5	868	108.8	915	114.7	935	117.2	936	117.3	923	115.7	946	118.5
Mount View MS	798	798	798	798	796	99.7	846	106.0	860	107.8	860	107.8	887	111.2	889	111.4	912	114.3	915	114.7	911	114.2	911	114.2	912	114.3
Murray Hill MS	662	662	662	662	799	120.7	785	118.6	775	117.1	808	122.1	847	127.9	859	129.8	829	125.2	836	126.3	832	125.7	843	127.3	843	127.3
Oakland Mills MS	A 506	506	506	506	500	98.8	498	98.4	510	100.8	519	102.6	516	102.0	509	100.6	510	77.0	491	74.2	494	74.6	488	73.7	507	76.6
Patapsco MS	A 643	643	643	643	729	113.4	780	121.3	806	125.3	818	127.2	821	127.7	823	128.0	830	129.1	831	129.2	828	103.8	820	102.8	816	102.3
Patuxent Valley MS	760	760	760	760	715	94.1	687	90.4	695	91.4	673	88.6	682	89.7	679	89.3	714	93.9	723	95.1	723	95.1	738	97.1	766	100.8
Thomas Viaduct MS	701	701	701	701	748	106.7	781	111.4	763	108.8	781	111.4	773	110.3	778	111.0	769	109.7	783	111.7	806	115.0	832	118.7	843	120.3
Wilke Lake MS	721	721	721	721	655	90.8	669	92.8	695	96.4	704	97.6	730	101.2	767	106.4	797	110.5	839	116.4	836	116.0	873	121.1	897	124.4
Countywide Totals	13438	13438	13438	13438	14015	104.3	14072	104.7	14151	105.3	14182	105.5	14429	106.6	14546	107.5	14845	108.4	14966	109.3	14990	108.3	15074	108.9	15364	111.0

'A' includes additions as proposed for FY 2021 CIP for grades 6-8

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

Western Option # 2 - Elementary and Middle Assessments

Elementary School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	6	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	0	
	Mean	4.2	5.2 NEGLIGIBLE	
Proximity to school	# of Schools Strengthened	NA	2	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	4	
	Mean	5789 (smaller # = closer set of polygons)	5930 WEAKNESS	
Small MS from ES Feeds (under 15%)				Feed information in middle and high school sections.
Double Small Feed	# of Double Small Feeds	1	1 NEGLIGIBLE	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
Non-contiguous Attendance Areas	Number of "Islands"	5	4 STRENGTH	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
Students moved within 5 yrs of last ES move	Number	NA	0	
	% of Enrollment	NA	0.0%	
			0	
Students Moved	Number moved in	NA	512	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	Number moved out	NA	512	
Strength		Negligible	Weakness	

Middle School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	2	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	2	
	Mean	6.7	6.3 NEGLIGIBLE	
Proximity to school	# of Schools Strengthened	NA	1	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	3	
	Mean	8322 (smaller # = closer set of polygons)	8341 NEGLIGIBLE	
Small MS from ES Feeds (under 15%)	# of Small Feeds	17	19 WEAKNESS	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
Double Small Feed	# of Double Small Feeds	1	1 NEGLIGIBLE	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
Non-contiguous Attendance Areas	Number of "Islands"	0	0 NEGLIGIBLE	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
Students moved within 5 yrs of last ES move	Number	NA	0	
	% of Enrollment	NA	0.0%	
			0	
Students Moved	Number moved in	NA	92	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	Number moved out	NA	92	
Strength		Negligible	Weakness	

Western Option # 2 - Middle School Feed Report

Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed	Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Bonnie Branch MS	Ilchester ES	47.7%	Ilchester ES	47.7%	Lake Elkhorn MS	Cradlerock ES	41.1%	Cradlerock ES	41.1%
	Jeffers Hill ES	2.1%	Jeffers Hill ES	2.1%		Guilford ES	26.5%	Guilford ES	26.5%
	Phelps Luck ES	45.9%	Phelps Luck ES	45.9%		Jeffers Hill ES	24.1%	Jeffers Hill ES	24.1%
	Rockburn ES	4.3%	Rockburn ES	4.3%		Talbot Springs ES	8.3%	Talbot Springs ES	8.3%
	Waterloo ES	0.0%	Waterloo ES	0.0%					
Burleigh Manor MS	Centennial Lane ES	56.3%	Centennial Lane ES	52.3%	Lime Kiln MS	Dayton Oaks ES	27.8%	Dayton Oaks ES	27.8%
	Manor Woods ES	27.1%	Manor Woods ES	28.1%		Fulton ES	58.6%	Fulton ES	58.6%
	Northfield ES	15.4%	Northfield ES	14.3%		Pointers Run ES	13.5%	Pointers Run ES	13.5%
	Triadelphia Ridge ES	1.1%	Triadelphia Ridge ES	5.3%					
Clarksville MS	Clarksville ES	46.2%	Clarksville ES	46.2%	Mayfield Woods MS	Bellows Spring ES	29.5%	Bellows Spring ES	29.5%
	Pointers Run ES	53.8%	Pointers Run ES	53.8%		Deep Run ES	42.4%	Deep Run ES	42.4%
Dunloggin MS						Jeffers Hill ES	10.0%	Jeffers Hill ES	10.0%
	Hollifield Station ES	6.7%	Hollifield Station ES	6.7%		Waterloo ES	18.1%	Waterloo ES	18.1%
	Northfield ES	44.7%	Northfield ES	44.7%	Mount View MS	Manor Woods ES	22.3%	Manor Woods ES	23.5%
	St Johns Lane ES	11.6%	St Johns Lane ES	11.6%		Waverly ES	46.8%	Triadelphia Ridge ES	5.4%
	Thunder Hill ES	5.2%	Thunder Hill ES	5.2%		West Friendship ES	30.9%	Waverly ES	46.5%
Elkridge Landing MS	Veterans ES	31.8%	Veterans ES	31.8%				West Friendship ES	24.5%
					Murray Hill MS	Gorman Crossing ES	54.4%	Gorman Crossing ES	54.4%
Ellicott Mills MS	Elkridge ES	65.8%	Elkridge ES	65.8%		Laurel Woods ES	45.6%	Laurel Woods ES	45.6%
	Rockburn ES	34.2%	Rockburn ES	34.2%	Oakland Mills MS				
Folly Quarter MS						Atholton ES	9.2%	Atholton ES	9.2%
	Thunder Hill ES	20.7%	Thunder Hill ES	20.7%		Stevens Forest ES	41.0%	Stevens Forest ES	41.0%
	Veterans ES	26.9%	Veterans ES	26.9%		Talbot Springs ES	35.1%	Talbot Springs ES	35.1%
	Waterloo ES	17.9%	Waterloo ES	17.9%		Thunder Hill ES	14.6%	Thunder Hill ES	14.6%
	Worthington ES	34.5%	Worthington ES	34.5%	Patapsco MS	Hollifield Station ES	48.1%	Hollifield Station ES	52.7%
Folly Quarter MS						St Johns Lane ES	40.6%	St Johns Lane ES	35.0%
	Bushy Park ES	18.9%	Bushy Park ES	30.0%		Waverly ES	11.3%	Waverly ES	12.3%
	Clarksville ES	0.1%	Clarksville ES	0.1%	Patuxent Valley MS	Bollman Bridge ES	49.3%	Bollman Bridge ES	49.3%
	Dayton Oaks ES	30.9%	Dayton Oaks ES	30.9%		Forest Ridge ES	50.7%	Forest Ridge ES	50.7%
	Triadelphia Ridge ES	50.1%	Triadelphia Ridge ES	39.0%	Thomas Viaduct MS				
Glenwood MS						Bellows Spring ES	10.6%	Bellows Spring ES	10.6%
	Bushy Park ES	48.2%	Bushy Park ES	52.2%		Ducketts Lane ES	35.9%	Ducketts Lane ES	35.9%
Hammond MS	Lisbon ES	51.8%	Lisbon ES	47.8%		Guilford ES	9.0%	Guilford ES	9.0%
						Hanover Hills ES	44.5%	Hanover Hills ES	44.5%
Harpers Choice MS					Wilde Lake MS	Bryant Woods ES	34.6%	Bryant Woods ES	34.6%
	Atholton ES	25.8%	Atholton ES	25.8%		Clemens Crossing ES	29.4%	Clemens Crossing ES	29.4%
	Fulton ES	16.0%	Fulton ES	16.0%		Running Brook ES	36.0%	Running Brook ES	36.0%
	Guilford ES	0.0%	Guilford ES	0.0%					
Harpers Choice MS	Hammond ES	58.2%	Hammond ES	58.2%					

Western Option # 2 - High School Feed Report

High School	Before Feeding Schools	Feed	After Feeding Schools	Feed	High School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Atholton HS	Clarksville MS Hammond MS Murray Hill MS Wilde Lake MS	34.0% 13.0% 21.1% 31.9%	Clarksville MS Hammond MS Murray Hill MS Wilde Lake MS	34.0% 13.0% 21.1% 31.9%	Marriotts Ridge HS	Burleigh Manor MS Mount View MS	18.2% 81.8%	Burleigh Manor MS Glenwood MS Mount View MS	18.2% 4.0% 77.8%
Centennial HS	Burleigh Manor MS Dunloggin MS Ellicott Mills MS	51.3% 23.4% 25.3%	Burleigh Manor MS Dunloggin MS Ellicott Mills MS	51.3% 23.4% 25.3%	Mt Hebron HS	Dunloggin MS Ellicott Mills MS Patapsco MS	17.2% 21.6% 61.2%	Burleigh Manor MS Dunloggin MS Ellicott Mills MS Patapsco MS	5.1% 17.2% 21.6% 56.1%
Glenelg HS	Folly Quarter MS Glenwood MS	38.6% 61.4%	Folly Quarter MS Glenwood MS	38.6% 61.4%	Oakland Mills HS	Lake Elkhorn MS Oakland Mills MS	46.7% 53.3%	Lake Elkhorn MS Oakland Mills MS	46.7% 53.3%
Hammond HS	Hammond MS Lake Elkhorn MS Patuxent Valley MS Thomas Viaduct MS	26.6% 11.9% 44.8% 16.7%	Hammond MS Lake Elkhorn MS Patuxent Valley MS Thomas Viaduct MS	26.6% 11.9% 44.8% 16.7%	Reservoir HS	Hammond MS Lime Kiln MS Murray Hill MS Patuxent Valley MS	11.5% 33.0% 41.9% 13.7%	Hammond MS Lime Kiln MS Murray Hill MS Patuxent Valley MS	11.5% 33.0% 41.9% 13.7%
Howard HS	Bonnie Branch MS Elkridge Landing MS Ellicott Mills MS Mayfield Woods MS	35.2% 45.7% 18.7% 0.4%	Bonnie Branch MS Elkridge Landing MS Ellicott Mills MS Mayfield Woods MS	35.2% 45.7% 18.7% 0.4%	River Hill HS	Clarksville MS Folly Quarter MS Lime Kiln MS	46.0% 32.9% 21.1%	Clarksville MS Folly Quarter MS Lime Kiln MS	46.0% 32.9% 21.1%
Long Reach HS	Bonnie Branch MS Elkridge Landing MS Mayfield Woods MS Thomas Viaduct MS	11.3% 9.0% 49.7% 30.0%	Bonnie Branch MS Elkridge Landing MS Mayfield Woods MS Thomas Viaduct MS	11.3% 9.0% 49.7% 30.0%	Wilde Lake HS	Dunloggin MS Harpers Choice MS Wilde Lake MS	11.0% 51.1% 37.9%	Dunloggin MS Harpers Choice MS Wilde Lake MS	11.0% 51.1% 37.9%

Western Option # 2 - Elementary Race Report

Elementary School	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Atholton ES	<=5%	<=5%	8%	8%	21%	21%	<=5%	<=5%	10%	10%	9%	9%	52%	52%
Bellows Spring ES	<=5%	<=5%	30%	30%	25%	25%	<=5%	<=5%	11%	11%	6%	6%	27%	27%
Bollman Bridge ES	<=5%	<=5%	8%	8%	38%	38%	<=5%	<=5%	23%	23%	6%	6%	23%	23%
Bryant Woods ES	<=5%	<=5%	<=5%	<=5%	55%	55%	<=5%	<=5%	12%	12%	9%	9%	20%	20%
Bushy Park ES	<=5%	<=5%	14%	17%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	72%	69%
Centennial Lane ES	<=5%	<=5%	50%	50%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	7%	7%	33%	33%
Clarksville ES	<=5%	<=5%	56%	56%	8%	8%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	27%	27%
Clemens Crossing ES	<=5%	<=5%	15%	15%	17%	17%	<=5%	<=5%	9%	9%	11%	11%	48%	48%
Cradlerock ES	<=5%	<=5%	7%	7%	48%	48%	<=5%	<=5%	16%	16%	8%	8%	21%	21%
Dayton Oaks ES	<=5%	<=5%	20%	20%	10%	10%	<=5%	<=5%	<=5%	<=5%	6%	6%	59%	59%
Deep Run ES	<=5%	<=5%	14%	14%	15%	15%	<=5%	<=5%	40%	40%	<=5%	<=5%	24%	24%
Ducketts Lane ES	<=5%	<=5%	13%	13%	39%	39%	<=5%	<=5%	21%	21%	<=5%	<=5%	22%	22%
Elkridge ES	<=5%	<=5%	18%	18%	27%	27%	<=5%	<=5%	8%	8%	7%	7%	40%	40%
Forest Ridge ES	<=5%	<=5%	23%	23%	35%	35%	<=5%	<=5%	14%	14%	7%	7%	21%	21%
Fulton ES	<=5%	<=5%	31%	31%	14%	14%	<=5%	<=5%	<=5%	<=5%	10%	10%	41%	41%
Gorman Crossing ES	<=5%	<=5%	29%	29%	33%	33%	<=5%	<=5%	11%	11%	7%	7%	20%	20%
Guilford ES	<=5%	<=5%	16%	16%	47%	47%	<=5%	<=5%	12%	12%	7%	7%	19%	19%
Hammond ES	<=5%	<=5%	13%	13%	29%	29%	<=5%	<=5%	12%	12%	8%	8%	37%	37%
Hanover Hills ES	<=5%	<=5%	25%	25%	38%	38%	<=5%	<=5%	15%	15%	<=5%	<=5%	16%	16%
Hollifield Station ES	<=5%	<=5%	45%	45%	15%	15%	<=5%	<=5%	12%	12%	<=5%	<=5%	25%	25%
Ilchester ES	<=5%	<=5%	27%	27%	6%	6%	<=5%	<=5%	<=5%	<=5%	6%	6%	58%	58%
Jeffers Hill ES	<=5%	<=5%	12%	12%	38%	38%	<=5%	<=5%	20%	20%	9%	9%	20%	20%
Laurel Woods ES	<=5%	<=5%	11%	11%	52%	52%	<=5%	<=5%	25%	25%	6%	6%	7%	7%
Lisbon ES	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	8%	8%	7%	7%	79%	79%
Longfellow ES	<=5%	<=5%	10%	10%	33%	33%	<=5%	<=5%	23%	23%	11%	11%	23%	23%
Manor Woods ES	<=5%	<=5%	47%	41%	9%	8%	<=5%	<=5%	<=5%	6%	<=5%	<=5%	35%	41%
Northfield ES	<=5%	<=5%	27%	27%	9%	9%	<=5%	<=5%	6%	6%	9%	9%	48%	48%
Phelps Luck ES	<=5%	<=5%	6%	6%	38%	38%	<=5%	<=5%	30%	30%	9%	9%	17%	17%
Pointers Run ES	<=5%	<=5%	33%	33%	9%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	49%	49%
Rockburn ES	<=5%	<=5%	19%	19%	13%	13%	<=5%	<=5%	<=5%	<=5%	7%	7%	55%	55%
Running Brook ES	<=5%	<=5%	<=5%	<=5%	57%	57%	<=5%	<=5%	12%	12%	8%	8%	18%	18%
St Johns Lane ES	<=5%	<=5%	35%	40%	13%	14%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	43%	38%
Stevens Forest ES	<=5%	<=5%	6%	6%	40%	40%	<=5%	<=5%	29%	29%	10%	10%	14%	14%
Swansfield ES	<=5%	<=5%	<=5%	<=5%	55%	55%	<=5%	<=5%	18%	18%	7%	7%	15%	15%
Talbott Springs ES	<=5%	<=5%	<=5%	<=5%	40%	40%	<=5%	<=5%	25%	25%	7%	7%	24%	24%
Thunder Hill ES	<=5%	<=5%	19%	19%	27%	27%	<=5%	<=5%	8%	8%	9%	9%	37%	37%
Triadelphia Ridge ES	<=5%	<=5%	29%	31%	8%	9%	<=5%	<=5%	7%	6%	9%	8%	47%	45%
Veterans ES	<=5%	<=5%	52%	52%	14%	14%	<=5%	<=5%	7%	7%	<=5%	<=5%	25%	25%
Waterloo ES	<=5%	<=5%	23%	23%	29%	29%	<=5%	<=5%	<=5%	<=5%	7%	7%	36%	36%
Waverly ES	<=5%	<=5%	49%	50%	7%	7%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	37%	36%
West Friendship ES	<=5%	<=5%	22%	21%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	7%	65%	63%
Worthington ES	<=5%	<=5%	39%	39%	7%	7%	<=5%	<=5%	<=5%	<=5%	6%	6%	44%	44%
Countywide Average	<=5%		22%		25%		<=5%		12%		7%		34%	

See page 35 for information about the data used in this report.

Western Option # 2 - Middle Race Report

	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
Middle School	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Bonnie Branch MS	<=5%	<=5%	16%	16%	26%	26%	<=5%	<=5%	15%	15%	7%	7%	35%	35%
Burleigh Manor MS	<=5%	<=5%	48%	46%	12%	11%	<=5%	<=5%	<=5%	<=5%	6%	6%	29%	33%
Clarksville MS	<=5%	<=5%	40%	40%	6%	6%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	45%	45%
Dunloggin MS	<=5%	<=5%	33%	33%	16%	16%	<=5%	<=5%	8%	8%	<=5%	<=5%	39%	39%
Elkridge Landing MS	<=5%	<=5%	17%	17%	23%	23%	<=5%	<=5%	8%	8%	6%	6%	46%	46%
Ellicott Mills MS	<=5%	<=5%	32%	32%	14%	14%	<=5%	<=5%	6%	6%	<=5%	<=5%	43%	43%
Folly Quarter MS	<=5%	<=5%	27%	27%	6%	6%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	57%	57%
Glenwood MS	<=5%	<=5%	8%	9%	6%	6%	<=5%	<=5%	7%	8%	<=5%	<=5%	75%	73%
Hammond MS	<=5%	<=5%	12%	12%	26%	26%	<=5%	<=5%	8%	8%	8%	8%	45%	45%
Harpers Choice MS	<=5%	<=5%	8%	8%	50%	50%	<=5%	<=5%	16%	16%	8%	8%	18%	18%
Lake Elkhorn MS	<=5%	<=5%	10%	10%	51%	51%	<=5%	<=5%	18%	18%	7%	7%	14%	14%
Lime Kiln MS	<=5%	<=5%	28%	28%	12%	12%	<=5%	<=5%	<=5%	<=5%	6%	6%	50%	50%
Mayfield Woods MS	<=5%	<=5%	13%	13%	29%	29%	<=5%	<=5%	25%	25%	<=5%	<=5%	28%	28%
Mount View MS	<=5%	<=5%	36%	36%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	<=5%	49%	49%
Murray Hill MS	<=5%	<=5%	17%	17%	45%	45%	<=5%	<=5%	21%	21%	<=5%	<=5%	13%	13%
Oakland Mills MS	<=5%	<=5%	<=5%	<=5%	37%	37%	<=5%	<=5%	21%	21%	10%	10%	27%	27%
Patapsco MS	<=5%	<=5%	33%	35%	11%	12%	<=5%	<=5%	9%	10%	<=5%	<=5%	43%	40%
Patuxent Valley MS	<=5%	<=5%	17%	17%	38%	38%	<=5%	<=5%	18%	18%	6%	6%	21%	21%
Thomas Viaduct MS	<=5%	<=5%	14%	14%	45%	45%	<=5%	<=5%	18%	18%	<=5%	<=5%	18%	18%
Wilke Lake MS	<=5%	<=5%	8%	8%	47%	47%	<=5%	<=5%	11%	11%	9%	9%	25%	25%
Countywide Average	<=5%	<=5%	21%	21%	25%	25%	<=5%	<=5%	12%	12%	6%	6%	36%	36%

See page 35 for information about the data used in this report.

Western Option # 2 - Elementary and Middle ESOL Report

School	% ESOL Participation	
	Base	Proposed
Atholton ES	<=5%	<=5%
Bellows Spring ES	9%	9%
Bollman Bridge ES	14%	14%
Bryant Woods ES	<=5%	<=5%
Bushy Park ES	<=5%	<=5%
Centennial Lane ES	6%	6%
Clarksville ES	6%	6%
Clemens Crossing ES	<=5%	<=5%
Cradlerock ES	8%	8%
Dayton Oaks ES	<=5%	<=5%
Deep Run ES	23%	23%
Ducketts Lane ES	16%	16%
Elkridge ES	6%	6%
Forest Ridge ES	9%	9%
Fulton ES	6%	6%
Gorman Crossing ES	7%	7%
Guilford ES	7%	7%
Hammond ES	6%	6%
Hanover Hills ES	11%	11%
Hollifield Station ES	13%	13%
Ilchester ES	<=5%	<=5%
Jeffers Hill ES	9%	9%
Laurel Woods ES	13%	13%
Lisbon ES	<=5%	<=5%
Longfellow ES	<=5%	<=5%
Manor Woods ES	8%	8%
Northfield ES	<=5%	<=5%
Phelps Luck ES	17%	17%
Pointers Run ES	<=5%	<=5%
Rockburn ES	<=5%	<=5%
Running Brook ES	6%	6%
St Johns Lane ES	<=5%	<=5%
Stevens Forest ES	20%	20%
Swansfield ES	8%	8%
Talbott Springs ES	12%	12%
Thunder Hill ES	6%	6%
Triadelphia Ridge ES	<=5%	<=5%
Veterans ES	10%	10%
Waterloo ES	8%	8%
Waverly ES	<=5%	<=5%
West Friendship ES	<=5%	<=5%
Worthington ES	<=5%	<=5%
Countywide Average	7%	

School	% ESOL Participation	
	Base	Proposed
Bonnie Branch MS	6%	6%
Burleigh Manor MS	<=5%	<=5%
Clarksville MS	<=5%	<=5%
Dunloggin MS	<=5%	<=5%
Elkridge Landing MS	<=5%	<=5%
Ellicott Mills MS	<=5%	<=5%
Folly Quarter MS	<=5%	<=5%
Glenwood MS	<=5%	<=5%
Hammond MS	<=5%	<=5%
Harpers Choice MS	<=5%	<=5%
Lake Elkhorn MS	<=5%	<=5%
Lime Kiln MS	<=5%	<=5%
Mayfield Woods MS	<=5%	<=5%
Mount View MS	<=5%	<=5%
Murray Hill MS	<=5%	<=5%
Oakland Mills MS	<=5%	<=5%
Patapsco MS	<=5%	<=5%
Patuxent Valley MS	<=5%	<=5%
Thomas Viaduct MS	6%	6%
Wilde Lake MS	<=5%	<=5%
Countywide Average	<=5%	

See page 35 for information about the data used in these reports.

Western Option # 2 - Elementary FARM and Test Percentages

FARM/Test Data		Western 2	
School Name	FARM	PARCC-Read	PARCC-Math
Atholton ES	15%	47%	58%
Bellows Spring ES	17%	63%	59%
Bollman Bridge ES	50%	29%	32%
Bryant Woods ES	51%	37%	45%
Bushy Park ES	<=5%	75%	74%
Centennial Lane ES	6%	75%	82%
Clarksville ES	<=5%	83%	89%
Clemens Crossing ES	13%	66%	63%
Cradlerock ES	55%	35%	26%
Dayton Oaks ES	<=5%	69%	77%
Deep Run ES	54%	37%	40%
Ducketts Lane ES	53%	41%	40%
Elkridge ES	32%	44%	47%
Forest Ridge ES	33%	53%	50%
Fulton ES	<=5%	70%	77%
Gorman Crossing ES	18%	53%	59%
Guilford ES	45%	38%	36%
Hammond ES	24%	52%	60%
Hanover Hills ES	37%	43%	47%
Hollifield Station ES	24%	54%	56%
Ilchester ES	<=5%	84%	77%
Jeffers Hill ES	35%	43%	35%
Laurel Woods ES	61%	37%	37%
Lisbon ES	12%	67%	57%
Longfellow ES	49%	50%	50%
Manor Woods ES	8%	68%	72%
Northfield ES	11%	62%	65%
Phelps Luck ES	63%	36%	35%
Pointers Run ES	<=5%	72%	82%
Rockburn ES	6%	65%	70%
Running Brook ES	52%	32%	34%
St Johns Lane ES	10%	61%	62%
Stevens Forest ES	65%	33%	30%
Swansfield ES	61%	29%	34%
Talbott Springs ES	49%	53%	46%
Thunder Hill ES	21%	62%	63%
Triadelphia Ridge ES	<=5%	70%	77%
Veterans ES	21%	55%	59%
Waterloo ES	24%	65%	66%
Waverly ES	<=5%	77%	80%
West Friendship ES	6%	72%	69%
Worthington ES	<=5%	68%	72%
System-wide total	25%	57%	59%

See page 35 for information about the data used in this report.

Western Option # 2 - Middle FARM and Test Percentages

FARM/Test Data		Western 2	
School Name	FARM	PARCC-Read	PARCC-Math
Bonnie Branch MS	32%	49%	49%
Burleigh Manor MS	11%	75%	74%
Clarksville MS	<=5%	84%	84%
Dunloggin MS	19%	63%	59%
Elkridge Landing MS	21%	57%	44%
Ellicott Mills MS	11%	65%	66%
Folly Quarter MS	<=5%	69%	76%
Glenwood MS	7%	64%	61%
Hammond MS	19%	62%	55%
Harpers Choice MS	51%	30%	28%
Lake Elkhorn MS	52%	35%	27%
Lime Kiln MS	<=5%	72%	70%
Mayfield Woods MS	43%	43%	37%
Mount View MS	<=5%	76%	77%
Murray Hill MS	38%	47%	41%
Oakland Mills MS	48%	38%	34%
Patapsco MS	18%	57%	63%
Patuxent Valley MS	37%	44%	37%
Thomas Viaduct MS	45%	38%	29%
Wilde Lake MS	47%	44%	35%
System-wide total	25%	57%	54%

See page 35 for information about the data used in this report.

Southwestern Option # 1 - Summary and Polygon Moves

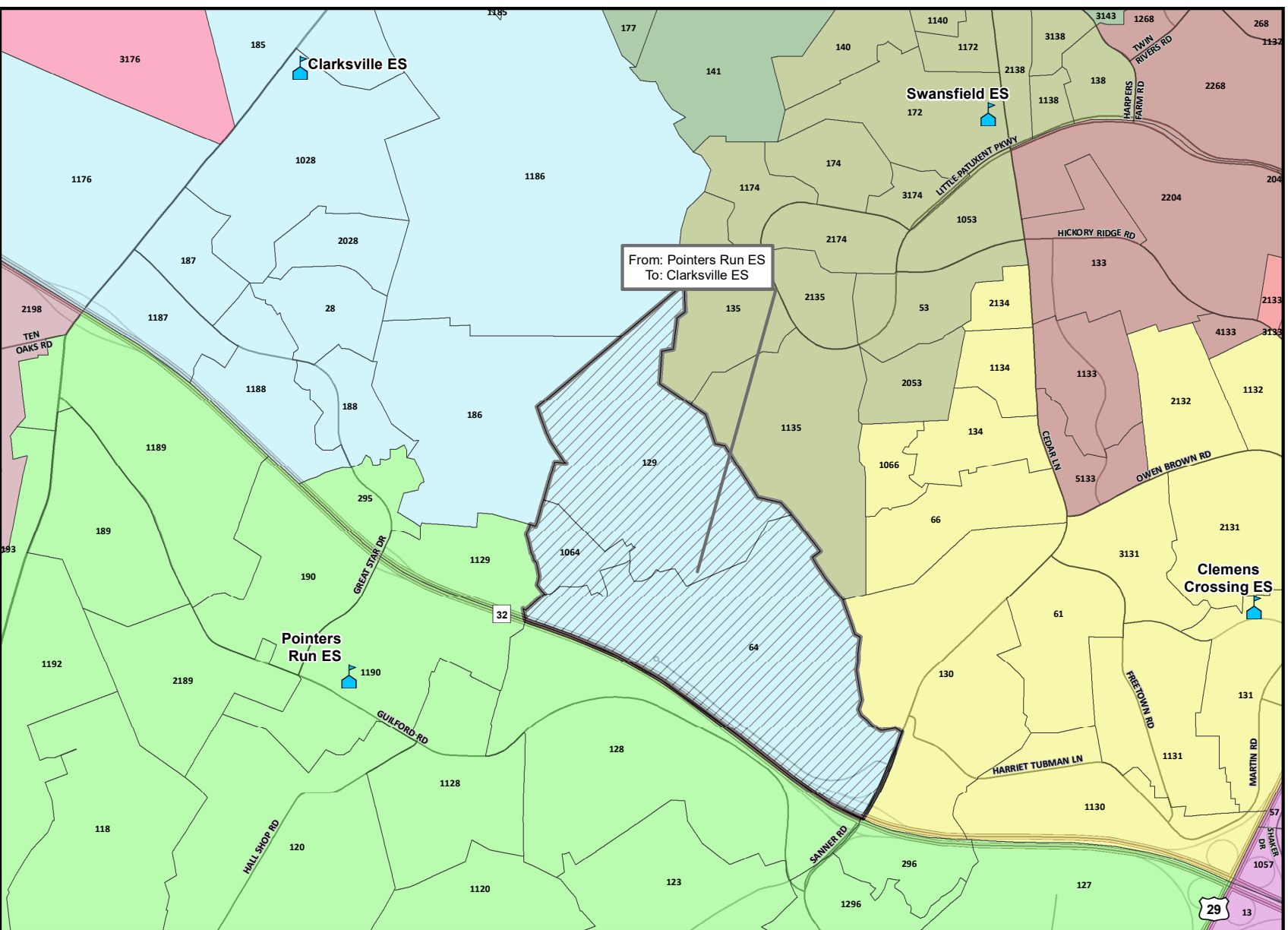
Following the boundary changes approved in November 2017, Pointer's Run ES has seen increased enrollment and capacity utilization. Options to provide relief include limited available capacity at Clarksville ES and Bushy Park ES. Availability of capacity at Bushy Park ES is dependent on how it is utilized in relief of Waverly ES and West Friendship ES. In order to remain in target utilization through SY 2024, approximately 240 projected Pointers Run ES students would need to be reassigned. Reassigning these polygons has the benefit of addressing SY 2020-21 crowding at Pointer Run ES by reassigning existing students, while also impacting projected future crowding due to potential residential development.

Southwestern Option 1:

This option reassigns approximately 150 students projected in SY 2020-21 from Pointer's Run ES to Clarksville ES. This option brings Pointers Run ES to within target utilization until SY 2022-2023. Clarksville ES is projected to be within target utilization through SY 2024-2025, however, the deficiencies in the school's floor plan restrict its ability to function at the higher end of utilization range.

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Pointers Run ES	Clarksville ES	156	64, 129, 1064
Total		156	

Southwestern Option # 1 - Elementary School Map



2019 Feasibility Study Boundary Review

Southwestern ES Option #1

Showing proposed boundaries and areas reassigned for this option.



Southwestern Option # 1 - Elementary Post Measures

Post-Measures

Southwestern Option 1

ELEMENTARY SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

	Capacity				2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
School	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Atholton ES	424	424	424	424	461	108.7	457	107.8	449	105.9	442	104.2	444	104.7	444	104.7	443	104.5	442	104.2	441	104.0	441	104.0	442	104.2
Bellows Spring ES	726	726	726	726	767	105.6	808	111.3	826	113.8	843	116.1	867	119.4	889	122.5	885	121.9	880	121.2	884	121.8	876	120.7	853	117.5
Bollman Bridge ES	666	666	666	666	683	102.6	695	104.4	706	106.0	754	113.2	765	114.9	747	112.2	739	111.0	737	110.7	722	108.4	737	110.7	737	110.7
Bryant Woods ES	361	361	361	361	451	124.9	465	128.8	475	131.6	478	132.4	489	135.5	495	137.1	500	138.5	508	140.7	518	143.5	528	146.3	534	147.9
Bushy Park ES	725	725	725	725	597	82.3	563	77.7	565	77.9	544	75.0	530	73.1	521	71.9	536	73.9	534	73.7	567	78.2	589	81.2	583	80.4
Centennial Lane ES	647	647	647	647	715	110.5	718	111.0	736	113.8	727	112.4	741	114.5	757	117.0	768	118.7	788	121.8	788	121.8	801	123.8	803	124.1
Clarksville ES	543	543	543	543	537	98.9	566	104.2	582	107.2	586	107.9	583	107.4	597	109.9	592	109.0	587	108.1	599	110.3	593	109.2	592	109.0
Clemens Crossing ES	521	521	521	521	548	105.2	595	114.2	591	113.4	605	116.1	620	119.0	633	121.5	660	126.7	670	128.6	693	133.0	715	137.2	727	139.5
Cradlerock ES	398	398	398	398	460	115.6	475	119.3	470	118.1	473	118.8	473	118.8	474	119.1	472	118.6	472	118.6	476	119.6	475	119.3	475	119.3
Dayton Oaks ES	700	700	700	700	667	95.3	708	101.1	717	102.4	752	107.4	789	112.7	807	115.3	818	116.9	815	116.4	837	119.6	854	122.0	875	125.0
Deep Run ES	750	750	750	750	682	90.9	713	95.1	731	97.5	752	100.3	786	104.8	806	107.5	820	109.3	843	112.4	866	115.5	892	118.9	905	120.7
Ducketts Lane ES	650	650	650	650	569	87.5	580	89.2	589	90.6	603	92.8	600	92.3	602	92.6	614	94.5	614	94.5	609	93.7	607	93.4	604	92.9
Elkridge ES	760	760	760	760	893	117.5	908	119.5	909	119.6	906	119.2	926	121.8	965	127.0	986	129.7	1057	139.1	1116	146.8	1144	150.5	1137	149.6
Forest Ridge ES	713	713	713	713	678	95.1	692	97.1	694	97.3	713	100.0	740	103.8	796	111.6	844	118.4	883	123.8	919	128.9	942	132.1	956	134.1
Fulton ES	826	826	826	826	1009	122.2	1041	126.0	1038	125.7	1072	129.8	1070	129.5	1067	129.2	1048	126.9	1019	123.4	1025	124.1	1006	121.8	1008	122.0
Gorman Crossing ES	735	735	735	735	826	112.4	860	117.0	878	119.5	869	118.2	861	117.1	852	115.9	863	117.4	871	118.5	865	117.7	850	115.6	856	116.5
Guilford ES	465	465	465	465	367	78.9	360	77.4	346	74.4	351	75.5	364	78.3	398	85.6	407	87.5	417	89.7	430	92.5	436	93.8	433	93.1
Hammond ES	653	653	653	653	618	94.6	614	94.0	626	95.9	658	100.8	696	106.6	728	111.5	752	115.2	802	122.8	827	126.6	853	130.6	866	132.6
Hanover Hills ES	NS	810	810	810	723	89.3	705	87.0	713	88.0	706	87.2	697	86.0	697	86.0	694	85.7	729	90.0	752	92.8	747	92.2	737	91.0
Hollifield Station ES	732	732	732	732	923	126.1	906	123.8	884	120.8	862	117.8	870	118.9	868	118.6	869	118.7	864	118.0	862	117.8	858	117.2	868	118.6
Ilchester ES	584	584	584	584	598	102.4	582	99.7	608	104.1	625	107.0	641	109.8	704	120.5	725	124.1	753	128.9	780	133.6	805	137.8	815	139.6
Jeffers Hill ES	421	421	421	421	413	98.1	408	96.9	387	91.9	395	93.8	389	92.4	390	92.6	399	94.8	407	96.7	416	98.8	426	101.2	431	102.4
Laurel Woods ES	609	609	609	609	556	91.3	563	92.4	561	92.1	546	89.7	550	90.3	546	89.7	555	91.1	554	91.0	555	91.1	556	91.3	580	95.2
Lisbon ES	527	527	527	527	484	91.8	505	95.8	510	96.8	519	98.5	523	99.2	517	98.1	533	101.1	562	106.6	590	112.0	594	112.7	597	113.3
Longfellow ES	512	512	512	512	438	85.5	452	88.3	468	91.4	470	91.8	474	92.6	490	95.7	499	97.5	507	99.0	520	101.6	529	103.3	535	104.5
Manor Woods ES	681	681	681	681	624	91.6	630	92.5	611	89.7	638	93.7	607	89.1	597	87.7	613	90.0	607	89.1	615	90.3	621	91.2	624	91.6
New ES #43	NS	0	0	0																						
New ES #44	NS	0	0	0																						
New ES #45	NS	0	0	0																						
Northfield ES	700	700	700	700	759	108.4	776	110.9	772	110.3	796	113.7	824	117.7	842	120.3	876	125.1	899	128.4	939	134.1	960	137.1	962	137.4
Phelps Luck ES	597	597	597	597	566	94.8	583	97.7	583	97.7	596	99.8	584	97.8	594	99.5	593	99.3	591	99.0	613	102.7	623	104.4	630	105.5
Pointers Run ES	744	744	744	744	769	103.4	796	107.0	813	109.3	839	112.8	841	113.0	838	112.6	823	110.6	802	107.8	773	103.9	747	100.4	723	97.2
Rockburn ES	584	584	584	584	593	101.5	611	104.6	611	104.6	627	107.4	638	109.2	654	112.0	676	115.8	677	115.9	678	116.1	673	115.2	663	113.5
Running Brook ES	515	515	515	515	468	90.9	471	91.5	500	97.1	551	107.0	583	113.2	610	118.4	644	125.0	673	130.7	712	138.3	724	140.6	749	145.4
St Johns Lane ES	612	612	612	612	726	118.6	735	120.1	750	122.5	768	125.5	787	128.6	805	131.5	806	131.7	804	131.4	795	129.9	788	128.8	785	128.3
Stevens Forest ES	380	380	380	380	414	108.9	420	110.5	427	112.4	440	115.8	435	114.5	434	114.2	435	114.5	439	115.5	439	115.5	438	115.3	439	115.5
Swansfield ES	A	694	694	694	547	78.8	538	77.5	536	77.2	538	77.5	535	77.1	542	78.1	545	78.5	555	80.0	572	82.4	582	83.9	591	85.2
Talbott Springs ES	377	377	540	540	465	123.3	442	117.2	426	78.9	406	75.2	409	75.7	422	78.1	425	78.7	439	81.3	458	84.8	477	88.3	487	90.2
Thunder Hill ES	509	509	509	509	508	99.8	487	95.7	485	95.3	467	91.7	466	91.6	468	91.9	467	91.7	489	96.1	499	98.0	511	100.4	516	101.4
Triadelphia Ridge ES	606	606	606	606	542	89.4	541	89.3	551	90.9	554	91.4	552	91.1	566	93.4	565	93.2	562	92.7	558	92.1	542	89.4	529	87.3
Veterans ES	799	799	799	799	822	102.9	808	101.1	799	100.0	794	99.4	801	100.3	800	100.1	830	103.9	867	108.5	867	108.5	868	108.6	864	108.1
Waterloo ES	603	603	603	603	548	90.9	525	87.1	521	86.4	486	80.6	508	84.2	519	86.1	526	87.2	531	88.1	557	92.4	569	94.4	573	95.0
Waverly ES	A	788	788	788	886	112.4	890	112.9	894	113.5	899	114.1	918	116.5	912	115.7	898	114.0	906	115.0	907	115.1	898	114.0	882	111.9
West Friendship ES	414	414	414	414	426	102.9	450	108.7	462	111.6	487	117.6	532	128.5	561	135.5	571	137.9	581	140.3	601	145.2	613	148.1	617	149.0
Worthington ES	515	515	515	515	458	88.9	457	88.7	459	89.1	469	91.1	492	95.5	515	100.0	531	103.1	607	117.9	660	128.2	661	128.3	641	124.5
Countywide Totals	25576	25576	25739	25739	25784	100.8	26099	102.0	26259	102.0	26606	103.4	27000	102.5	27481	104.3	27855	103.4	28346	105.2	28911	107.3	29135	108.2	29224	106.5

'A' includes additions as proposed for FY 2021 CIP for grades K-5

'NS' New School proposed for FY 2021 Capital Budget

'R' Replacement School proposed for FY 2021 Capital Budget

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

Southwestern Option # 1 - Elementary Assessments

Elementary School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	2	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	0	
	Mean	4.2	4.7 NEGLIGIBLE	
Proximity to school	# of Schools Strengthened	NA	0	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	2	
	Mean	5789 (smaller # = closer set of polygons)	5821 NEGLIGIBLE	
Small MS from ES Feeds (under 15%)	# of Small Feeds	17	17 NEGLIGIBLE	Feed information in middle and high school sections.
Double Small Feed	# of Double Small Feeds	1	1 NEGLIGIBLE	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
Non-contiguous Attendance Areas	Number of "Islands"	5	5 NEGLIGIBLE	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
Students moved within 5 yrs of last ES move	Number	NA	0	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	% of Enrollment	NA	0.0% 0	
Students Moved	Number moved in	NA	156	
	Number moved out	NA	156	
Strength		Negligible	Weakness	

Southwestern Option # 1 - Middle School Feed Report

Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed	Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Bonnie Branch MS	Ilchester ES Jeffers Hill ES Phelps Luck ES Rockburn ES Waterloo ES	47.7% 2.1% 45.9% 4.3% 0.0%	Ilchester ES Jeffers Hill ES Phelps Luck ES Rockburn ES Waterloo ES	47.7% 2.1% 45.9% 4.3% 0.0%	Lake Elkhorn MS	Cradlerock ES Guilford ES Jeffers Hill ES Talbot Springs ES	41.1% 26.5% 24.1% 8.3%	Cradlerock ES Guilford ES Jeffers Hill ES Talbot Springs ES	41.1% 26.5% 24.1% 8.3%
Burleigh Manor MS	Centennial Lane ES Manor Woods ES Northfield ES Triadelphia Ridge ES	56.3% 27.1% 15.4% 1.1%	Centennial Lane ES Manor Woods ES Northfield ES Triadelphia Ridge ES	56.3% 27.1% 15.4% 1.1%	Lime Kiln MS	Dayton Oaks ES Fulton ES Pointers Run ES	27.8% 58.6% 13.5%	Dayton Oaks ES Fulton ES Pointers Run ES	27.8% 58.6% 13.5%
Clarksville MS	Clarksville ES Pointers Run ES	46.2% 53.8%	Clarksville ES Pointers Run ES	55.6% 44.4%	Mayfield Woods MS	Bellows Spring ES Deep Run ES Jeffers Hill ES Waterloo ES	29.5% 42.4% 10.0% 18.1%	Bellows Spring ES Deep Run ES Jeffers Hill ES Waterloo ES	29.5% 42.4% 10.0% 18.1%
Dunloggin MS	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	6.7% 44.7% 11.6% 5.2% 31.8%	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	6.7% 44.7% 11.6% 5.2% 31.8%	Mount View MS	Manor Woods ES Waverly ES West Friendship ES	22.3% 46.8% 30.9%	Manor Woods ES Waverly ES West Friendship ES	22.3% 46.8% 30.9%
Elkridge Landing MS	Elkridge ES Rockburn ES	65.8% 34.2%	Elkridge ES Rockburn ES	65.8% 34.2%	Murray Hill MS	Gorman Crossing ES Laurel Woods ES	54.4% 45.6%	Gorman Crossing ES Laurel Woods ES	54.4% 45.6%
Ellicott Mills MS	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	20.7% 26.9% 17.9% 34.5%	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	20.7% 26.9% 17.9% 34.5%	Oakland Mills MS	Atholton ES Stevens Forest ES Talbot Springs ES Thunder Hill ES	9.2% 41.0% 35.1% 14.6%	Atholton ES Stevens Forest ES Talbot Springs ES Thunder Hill ES	9.2% 41.0% 35.1% 14.6%
Folly Quarter MS	Bushy Park ES Clarksville ES Dayton Oaks ES Triadelphia Ridge ES	18.9% 0.1% 30.9% 50.1%	Bushy Park ES Clarksville ES Dayton Oaks ES Triadelphia Ridge ES	18.9% 0.1% 30.9% 50.1%	Patapsco MS	Hollifield Station ES St Johns Lane ES Waverly ES	48.1% 40.6% 11.3%	Hollifield Station ES St Johns Lane ES Waverly ES	48.1% 40.6% 11.3%
Glenwood MS	Bushy Park ES Lisbon ES	48.2% 51.8%	Bushy Park ES Lisbon ES	48.2% 51.8%	Patuxent Valley MS	Bollman Bridge ES Forest Ridge ES	49.3% 50.7%	Bollman Bridge ES Forest Ridge ES	49.3% 50.7%
Hammond MS	Atholton ES Fulton ES Guilford ES Hammond ES	25.8% 16.0% 0.0% 58.2%	Atholton ES Fulton ES Guilford ES Hammond ES	25.8% 16.0% 0.0% 58.2%	Thomas Viaduct MS	Bellows Spring ES Ducketts Lane ES Guilford ES Hanover Hills ES	10.6% 35.9% 9.0% 44.5%	Bellows Spring ES Ducketts Lane ES Guilford ES Hanover Hills ES	10.6% 35.9% 9.0% 44.5%
Harpers Choice MS	Longfellow ES Swansfield ES	39.9% 60.1%	Longfellow ES Swansfield ES	39.9% 60.1%	Wilde Lake MS	Bryant Woods ES Clemens Crossing ES Running Brook ES	34.6% 29.4% 36.0%	Bryant Woods ES Clemens Crossing ES Running Brook ES	34.6% 29.4% 36.0%

Southwestern Option # 1 - Elementary Race Report

Elementary School	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Atholton ES	<=5%	<=5%	8%	8%	21%	21%	<=5%	<=5%	10%	10%	9%	9%	52%	52%
Bellows Spring ES	<=5%	<=5%	30%	30%	25%	25%	<=5%	<=5%	11%	11%	6%	6%	27%	27%
Bollman Bridge ES	<=5%	<=5%	8%	8%	38%	38%	<=5%	<=5%	23%	23%	6%	6%	23%	23%
Bryant Woods ES	<=5%	<=5%	<=5%	<=5%	55%	55%	<=5%	<=5%	12%	12%	9%	9%	20%	20%
Bushy Park ES	<=5%	<=5%	14%	14%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	72%	72%
Centennial Lane ES	<=5%	<=5%	50%	50%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	7%	7%	33%	33%
Clarksville ES	<=5%	<=5%	56%	49%	8%	8%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	27%	36%
Clemens Crossing ES	<=5%	<=5%	15%	15%	17%	17%	<=5%	<=5%	9%	9%	11%	11%	48%	48%
Cradlerock ES	<=5%	<=5%	7%	7%	48%	48%	<=5%	<=5%	16%	16%	8%	8%	21%	21%
Dayton Oaks ES	<=5%	<=5%	20%	20%	10%	10%	<=5%	<=5%	<=5%	<=5%	6%	6%	59%	59%
Deep Run ES	<=5%	<=5%	14%	14%	15%	15%	<=5%	<=5%	40%	40%	<=5%	<=5%	24%	24%
Ducketts Lane ES	<=5%	<=5%	13%	13%	39%	39%	<=5%	<=5%	21%	21%	<=5%	<=5%	22%	22%
Elkridge ES	<=5%	<=5%	18%	18%	27%	27%	<=5%	<=5%	8%	8%	7%	7%	40%	40%
Forest Ridge ES	<=5%	<=5%	23%	23%	35%	35%	<=5%	<=5%	14%	14%	7%	7%	21%	21%
Fulton ES	<=5%	<=5%	31%	31%	14%	14%	<=5%	<=5%	<=5%	<=5%	10%	10%	41%	41%
Gorman Crossing ES	<=5%	<=5%	29%	29%	33%	33%	<=5%	<=5%	11%	11%	7%	7%	20%	20%
Guilford ES	<=5%	<=5%	16%	16%	47%	47%	<=5%	<=5%	12%	12%	7%	7%	19%	19%
Hammond ES	<=5%	<=5%	13%	13%	29%	29%	<=5%	<=5%	12%	12%	8%	8%	37%	37%
Hanover Hills ES	<=5%	<=5%	25%	25%	38%	38%	<=5%	<=5%	15%	15%	<=5%	<=5%	16%	16%
Hollifield Station ES	<=5%	<=5%	45%	45%	15%	15%	<=5%	<=5%	12%	12%	<=5%	<=5%	25%	25%
Ilchester ES	<=5%	<=5%	27%	27%	6%	6%	<=5%	<=5%	<=5%	<=5%	6%	6%	58%	58%
Jeffers Hill ES	<=5%	<=5%	12%	12%	38%	38%	<=5%	<=5%	20%	20%	9%	9%	20%	20%
Laurel Woods ES	<=5%	<=5%	11%	11%	52%	52%	<=5%	<=5%	25%	25%	6%	6%	7%	7%
Lisbon ES	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	8%	8%	7%	7%	79%	79%
Longfellow ES	<=5%	<=5%	10%	10%	33%	33%	<=5%	<=5%	23%	23%	11%	11%	23%	23%
Manor Woods ES	<=5%	<=5%	47%	47%	9%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	35%	35%
Northfield ES	<=5%	<=5%	27%	27%	9%	9%	<=5%	<=5%	6%	6%	9%	9%	48%	48%
Phelps Luck ES	<=5%	<=5%	6%	6%	38%	38%	<=5%	<=5%	30%	30%	9%	9%	17%	17%
Pointers Run ES	<=5%	<=5%	33%	34%	9%	10%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	49%	46%
Rockburn ES	<=5%	<=5%	19%	19%	13%	13%	<=5%	<=5%	<=5%	<=5%	7%	7%	55%	55%
Running Brook ES	<=5%	<=5%	<=5%	<=5%	57%	57%	<=5%	<=5%	12%	12%	8%	8%	18%	18%
St Johns Lane ES	<=5%	<=5%	35%	35%	13%	13%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	43%	43%
Stevens Forest ES	<=5%	<=5%	6%	6%	40%	40%	<=5%	<=5%	29%	29%	10%	10%	14%	14%
Swansfield ES	<=5%	<=5%	<=5%	<=5%	55%	55%	<=5%	<=5%	18%	18%	7%	7%	15%	15%
Talbott Springs ES	<=5%	<=5%	<=5%	<=5%	40%	40%	<=5%	<=5%	25%	25%	7%	7%	24%	24%
Thunder Hill ES	<=5%	<=5%	19%	19%	27%	27%	<=5%	<=5%	8%	8%	9%	9%	37%	37%
Triadelphia Ridge ES	<=5%	<=5%	29%	29%	8%	8%	<=5%	<=5%	7%	7%	9%	9%	47%	47%
Veterans ES	<=5%	<=5%	52%	52%	14%	14%	<=5%	<=5%	7%	7%	<=5%	<=5%	25%	25%
Waterloo ES	<=5%	<=5%	23%	23%	29%	29%	<=5%	<=5%	<=5%	<=5%	7%	7%	36%	36%
Waverly ES	<=5%	<=5%	49%	49%	7%	7%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	37%	37%
West Friendship ES	<=5%	<=5%	22%	22%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	6%	65%	65%
Worthington ES	<=5%	<=5%	39%	39%	7%	7%	<=5%	<=5%	<=5%	<=5%	6%	6%	44%	44%
Countywide Average	<=5%		22%		25%		<=5%		12%		7%		34%	

See page 35 for information about the data used in this report.

Southwestern Option # 1 - Elementary ESOL Report

School	% ESOL Participation	
	Base	Proposed
Atholton ES	<=5%	<=5%
Bellows Spring ES	9%	9%
Bollman Bridge ES	14%	14%
Bryant Woods ES	<=5%	<=5%
Bushy Park ES	<=5%	<=5%
Centennial Lane ES	6%	6%
Clarksville ES	6%	6%
Clemens Crossing ES	<=5%	<=5%
Cradlerock ES	8%	8%
Dayton Oaks ES	<=5%	<=5%
Deep Run ES	23%	23%
Ducketts Lane ES	16%	16%
Elkridge ES	6%	6%
Forest Ridge ES	9%	9%
Fulton ES	6%	6%
Gorman Crossing ES	7%	7%
Guilford ES	7%	7%
Hammond ES	6%	6%
Hanover Hills ES	11%	11%
Hollifield Station ES	13%	13%
Ilchester ES	<=5%	<=5%
Jeffers Hill ES	9%	9%
Laurel Woods ES	13%	13%
Lisbon ES	<=5%	<=5%
Longfellow ES	<=5%	<=5%
Manor Woods ES	8%	8%
Northfield ES	<=5%	<=5%
Phelps Luck ES	17%	17%
Pointers Run ES	<=5%	<=5%
Rockburn ES	<=5%	<=5%
Running Brook ES	6%	6%
St Johns Lane ES	<=5%	<=5%
Stevens Forest ES	20%	20%
Swansfield ES	8%	8%
Talbott Springs ES	12%	12%
Thunder Hill ES	6%	6%
Triadelphia Ridge ES	<=5%	<=5%
Veterans ES	10%	10%
Waterloo ES	8%	8%
Waverly ES	<=5%	<=5%
West Friendship ES	<=5%	<=5%
Worthington ES	<=5%	<=5%
Countywide Average	7%	

See page 35 for information about the data used in this report.

Southwestern Option # 1- Elementary FARM and Test Percentages

FARM/Test Data		Southwestern 1	
School Name	FARM	PARCC-Read	PARCC-Math
Atholton ES	15%	47%	58%
Bellows Spring ES	17%	63%	59%
Bollman Bridge ES	50%	29%	32%
Bryant Woods ES	51%	37%	45%
Bushy Park ES	<=5%	76%	74%
Centennial Lane ES	6%	75%	82%
Clarksville ES	<=5%	82%	88%
Clemens Crossing ES	13%	66%	63%
Cradlerock ES	55%	35%	26%
Dayton Oaks ES	<=5%	69%	77%
Deep Run ES	54%	37%	40%
Ducketts Lane ES	53%	41%	40%
Elkridge ES	32%	44%	47%
Forest Ridge ES	33%	53%	50%
Fulton ES	<=5%	70%	77%
Gorman Crossing ES	18%	53%	59%
Guilford ES	45%	38%	36%
Hammond ES	24%	52%	60%
Hanover Hills ES	37%	43%	47%
Hollifield Station ES	24%	54%	56%
Ilchester ES	<=5%	84%	77%
Jeffers Hill ES	35%	43%	35%
Laurel Woods ES	61%	37%	37%
Lisbon ES	12%	67%	57%
Longfellow ES	49%	50%	50%
Manor Woods ES	8%	68%	72%
Northfield ES	11%	62%	65%
Phelps Luck ES	63%	36%	35%
Pointers Run ES	<=5%	70%	81%
Rockburn ES	6%	65%	70%
Running Brook ES	52%	32%	34%
St Johns Lane ES	9%	63%	64%
Stevens Forest ES	65%	33%	30%
Swansfield ES	61%	29%	34%
Talbott Springs ES	49%	53%	46%
Thunder Hill ES	21%	62%	63%
Triadelphia Ridge ES	<=5%	71%	80%
Veterans ES	21%	55%	59%
Waterloo ES	24%	65%	66%
Waverly ES	<=5%	76%	79%
West Friendship ES	6%	70%	66%
Worthington ES	<=5%	68%	72%
System-wide total	25%	57%	59%

See page 35 for information about the data used in this report.

Southwestern Option # 2 - Summary and Polygon Moves

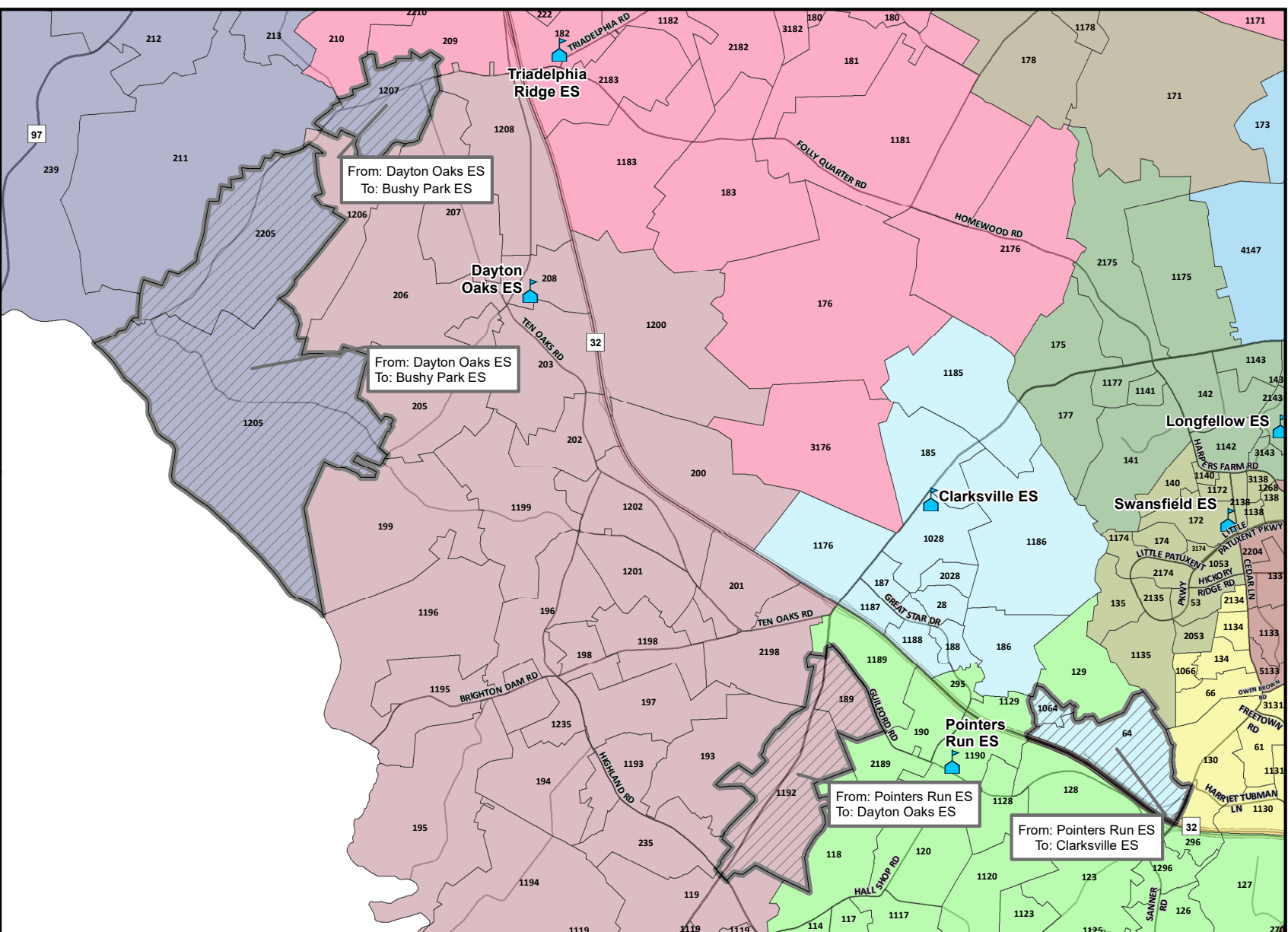
Southwestern Option 2:

This option utilizes Clarksville ES, Dayton ES and Bushy Park ES. All schools in this option remain within target utilization through SY 2024. Clarksville ES reaches a peak in SY 2025 with 102% capacity utilization, and Dayton Oak will exceed target utilization in SY 2024-25. This option also includes a middle school reassignment to avoid a small feed. A consideration is that this plan would impact the ability to use available capacity at Bushy Park ES to relieve schools in the western parts of the county.

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Dayton Oaks ES	Bushy Park ES	108	1205, 1207, 2205
Pointers Run ES	Clarksville ES	113	64, 1064
Pointers Run ES	Dayton Oaks ES	75	189, 1192
Total		296	

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Clarksville MS	Lime Kiln MS	20	189
Total		20	

Southwestern Option #2 - Elementary School Map



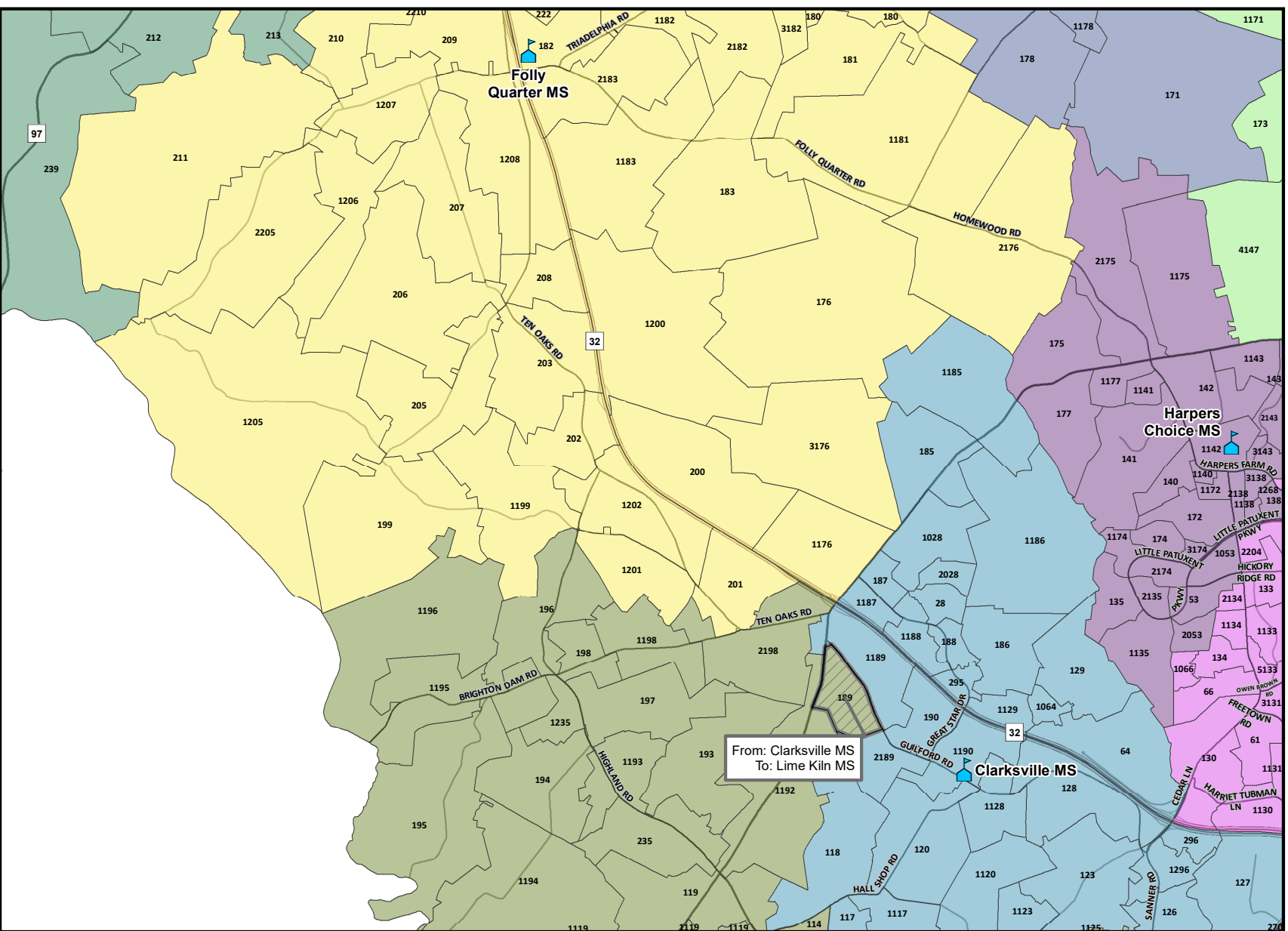
2019 Feasibility Study Boundary Review

Southwestern ES Option #2 (Elementary Boundaries)

Showing proposed boundaries and areas reassigned for this option.



Southwestern Option # 2 - Middle School Map



2019 Feasibility Study Boundary Review

Southwestern ES Option #2 (Middle Boundaries)

Showing proposed boundaries and areas reassigned for this option.



Southwestern Option # 2 - Elementary Post Measures

Post-Measures

Southwestern Option 2

ELEMENTARY SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

School	Capacity				2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Atholton ES	424	424	424	424	461	108.7	457	107.6	449	105.9	442	104.2	444	104.7	446	104.7	443	104.5	442	104.2	441	104.0	441	104.0	442	104.2
Bellows Spring ES	726	726	726	726	767	105.6	808	111.3	826	113.8	843	116.1	867	119.4	889	122.5	885	121.9	880	121.2	884	121.8	876	120.7	853	117.6
Bollman Bridge ES	666	666	666	666	683	102.6	695	104.4	706	106.0	754	113.2	765	114.9	760	114.1	747	112.2	739	111.0	737	110.7	722	108.4	737	110.7
Bryant Woods ES	361	361	361	361	451	124.9	465	128.8	475	131.6	478	132.4	489	135.5	495	137.1	500	138.5	508	140.7	518	143.5	528	146.3	534	147.9
Bushy Park ES	725	725	725	725	705	97.2	679	93.7	681	93.9	661	91.2	651	89.8	646	89.1	663	91.4	661	91.2	696	96.0	725	100.0	721	99.4
Centennial Lane ES	647	647	647	647	715	110.5	718	111.0	736	113.8	727	112.4	741	114.5	757	117.0	768	118.7	788	121.8	788	121.8	801	123.8	803	124.1
Clarksville ES	543	543	543	543	494	91.0	522	96.1	538	99.1	541	99.6	538	99.1	551	101.5	548	100.9	544	100.2	557	102.6	552	101.7	553	101.8
Clemens Crossing ES	521	521	521	521	548	105.2	595	114.2	591	113.4	605	116.1	620	119.0	633	121.5	660	126.7	670	128.6	693	133.0	715	137.2	727	139.5
Cradlerock ES	398	398	398	398	460	115.6	475	119.3	470	118.1	473	118.8	473	118.8	473	118.8	474	119.1	472	118.6	472	118.6	476	119.6	475	119.3
Dayton Oaks ES	700	700	700	700	634	90.6	688	98.3	698	99.7	734	104.9	768	109.7	779	111.3	786	112.3	782	111.7	798	114.0	805	115.0	821	117.3
Deep Run ES	750	750	750	750	682	90.9	713	95.1	731	97.5	752	100.3	786	104.8	806	107.5	820	109.3	843	112.4	866	115.5	892	118.9	905	120.7
Duckett Lane ES	650	650	650	650	569	87.5	580	89.2	589	90.6	603	92.8	600	92.3	602	92.6	614	94.5	614	94.5	609	93.7	607	93.4	604	92.9
Elkridge ES	760	760	760	760	893	117.5	908	119.5	909	119.6	906	119.2	926	121.8	965	127.0	986	129.7	1057	139.1	1116	146.8	1144	150.5	1137	149.6
Forest Ridge ES	713	713	713	713	678	95.1	692	97.1	694	97.3	713	100.0	740	103.8	796	111.6	844	118.4	883	123.8	919	128.9	942	132.1	956	134.1
Fulton ES	826	826	826	826	1009	122.2	1041	126.0	1038	125.7	1072	129.8	1070	129.5	1067	129.2	1048	126.9	1019	123.4	1025	124.1	1006	121.8	1008	122.0
Gorman Crossing ES	735	735	735	735	826	112.4	860	117.0	878	119.5	869	118.2	861	117.1	852	115.9	863	117.4	871	118.5	865	117.7	850	115.6	856	116.5
Guilford ES	465	465	465	465	367	78.9	360	77.4	346	74.4	351	75.5	364	78.3	398	85.6	407	87.5	417	89.7	430	92.5	436	93.8	433	93.1
Hammond ES	653	653	653	653	618	94.6	614	94.0	626	95.9	658	100.6	696	106.6	728	111.5	752	115.2	802	122.8	827	126.6	853	130.6	866	132.6
Hanover Hills ES	810	810	810	810	723	89.3	705	87.0	713	88.0	706	87.2	697	86.0	697	86.0	694	85.7	729	90.0	752	92.8	747	92.2	737	91.0
Hollifield Station ES	732	732	732	732	923	126.1	906	123.8	884	120.8	862	117.8	870	118.9	868	118.6	869	118.7	864	118.0	862	117.8	858	117.2	868	118.6
Ilchester ES	584	584	584	584	598	102.4	582	99.7	608	104.1	625	107.0	641	109.8	704	120.5	725	124.1	753	128.9	780	133.6	805	137.8	815	139.6
Jeffers Hill ES	421	421	421	421	413	98.1	408	96.9	387	91.9	395	93.8	389	92.4	390	92.6	399	94.8	407	96.7	416	98.8	426	101.2	431	102.4
Laurel Woods ES	609	609	609	609	556	91.3	563	92.4	561	92.1	546	89.7	550	90.3	546	89.7	555	91.1	554	91.0	555	91.1	556	91.3	580	95.2
Lisbon ES	527	527	527	527	484	91.8	505	95.8	510	96.8	519	98.5	523	99.2	517	98.1	533	101.1	562	106.6	590	112.0	594	112.7	597	113.3
Longfellow ES	512	512	512	512	438	85.5	452	88.3	468	91.4	470	91.8	474	92.6	490	95.7	499	97.5	507	99.0	520	101.6	529	103.3	535	104.5
Manor Woods ES	681	681	681	681	624	91.6	630	92.5	611	89.7	638	93.7	607	89.1	597	87.7	613	90.0	607	89.1	615	90.3	621	91.2	624	91.6
New ES #43	NS	0	0	0																						
New ES #44	NS	0	0	0																						
New ES #45	NS	0	0	0																						
Northfield ES	700	700	700	700	759	108.4	776	110.9	772	110.3	796	113.7	824	117.7	842	120.3	876	125.1	899	128.4	939	134.1	960	137.1	962	137.4
Phelps Luck ES	597	597	597	597	566	94.8	583	97.7	583	97.7	596	99.8	584	97.8	594	99.5	593	99.3	591	99.0	613	102.7	623	104.4	630	105.5
Pointers Run ES	744	744	744	744	737	99.1	744	100.0	760	102.2	785	105.5	786	105.6	787	105.8	772	103.8	751	100.9	725	97.4	701	94.2	678	91.1
Rockburn ES	584	584	584	584	593	101.5	611	104.6	611	104.6	627	107.4	638	109.2	654	112.0	676	115.8	677	115.9	678	116.1	673	115.2	663	113.5
Running Brook ES	515	515	515	515	468	90.9	471	91.5	500	97.1	551	107.0	583	113.2	610	118.4	644	125.0	673	130.7	712	138.3	724	140.6	749	145.4
St Johns Lane ES	612	612	612	612	726	118.6	735	120.1	750	122.5	768	125.5	787	128.6	805	131.5	806	131.7	804	131.4	795	129.9	788	128.8	785	128.3
Stevens Forest ES	380	380	380	380	414	108.9	420	110.5	427	112.4	440	115.8	435	114.5	434	114.2	435	114.5	439	115.5	439	115.5	438	115.3	439	115.5
Swansfield ES	694	694	694	694	547	78.8	538	77.5	536	77.2	538	77.5	535	77.1	542	78.1	545	78.5	555	80.0	572	82.4	582	83.9	591	85.2
Talbot Springs ES	377	377	377	377	465	123.3	442	117.2	426	78.9	406	75.2	409	75.7	422	78.1	425	78.7	439	81.3	458	84.8	477	88.3	487	90.2
Thunder Hill ES	509	509	509	509	508	99.8	487	95.7	485	95.3	467	91.7	466	91.6	468	91.9	467	91.7	489	96.1	499	98.0	511	100.4	516	101.4
Triadelphia Ridge ES	606	606	606	606	542	89.4	541	89.3	551	90.9	554	91.4	552	91.1	566	93.4	565	93.2	562	92.7	558	92.1	542	89.4	529	87.3
Veterans ES	799	799	799	799	822	102.9	808	101.1	799	100.0	794	99.4	801	100.3	800	100.1	830	103.9	867	108.5	867	108.5	868	108.6	864	108.1
Waterloo ES	603	603	603	603	488	90.9	525	87.1	521	86.4	486	80.6	508	84.2	519	86.1	526	87.2	531	88.1	557	92.4	569	94.4	573	95.0
Waverly ES	788	788	788	788	886	112.4	890	112.9	894	113.5	899	114.1	918	116.5	912	115.7	898	114.0	906	115.0	907	115.1	898	114.0	882	111.9
West Friendship ES	414	414	414	414	426	102.9	450	108.7	462	111.6	487	117.6	532	128.5	561	135.5	571	137.9	581	140.3	601	145.2	613	148.1	617	149.0
Worthington ES	515	515	515	515	458	88.9	457	88.7	459	89.1	469	91.1	492	95.5	515	100.0	531	103.1	607	117.9	660	128.2	661	128.3	641	124.5
Countywide Totals	25576	25576	25739	25739	25784	100.8	26099	102.0	26259	102.0	26606	103.4	27000	102.5	27481	104.3	27855	103.4	28346	105.2	28911	107.3	29135	108.2	29224	106.5

A includes additions as proposed for FY 2021 CIP for grades K-5

NS New School proposed for FY 2021 Capital Budget

R Replacement School proposed for FY 2021 Capital Budget

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

Southwestern Option # 2 - Middle Post Measures

Post-Measures

Southwestern Option 2

MIDDLE SCHOOLS - Data for Demonstrative Purposes Only
Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

School	Capacity				2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Bonnie Branch MS	701	701	701	701	691	98.6	654	93.3	656	93.6	651	92.9	693	98.9	706	100.7	740	105.6	712	101.6	724	103.3	717	102.3	749	106.8
Burleigh Manor MS	779	779	779	779	806	103.5	804	103.2	806	103.5	778	99.9	784	100.6	793	101.8	798	102.4	785	100.8	778	99.9	777	99.7	788	101.2
Clarksville MS	643	643	643	643	684	106.4	672	104.5	645	100.3	644	100.2	668	103.9	670	104.2	678	105.4	678	105.4	683	106.2	685	106.5	683	106.2
Dunloggin MS	A 565	565	565	565	652	115.4	658	116.5	673	119.1	671	118.8	676	102.1	673	101.7	689	104.1	692	104.5	681	102.9	677	102.3	691	104.4
Elkridge Landing MS	779	779	779	779	747	95.9	768	98.6	820	105.3	857	110.0	867	111.3	859	110.3	882	113.2	892	114.5	904	116.0	907	116.4	941	120.8
Ellicott Mills MS	701	701	701	701	910	129.8	912	130.1	884	126.1	893	127.4	878	125.2	866	123.5	861	122.8	860	122.7	863	123.1	860	122.7	913	130.2
Folly Quarter MS	662	662	662	662	674	101.8	677	102.3	664	100.3	660	99.7	649	98.0	668	100.9	679	102.6	700	105.7	692	104.5	701	105.9	710	107.3
Glenwood MS	545	545	545	545	532	97.6	527	96.7	504	92.5	502	92.1	499	91.6	521	95.6	539	98.9	553	101.5	549	100.7	553	101.5	557	102.2
Hammond MS	604	604	604	604	702	116.2	724	119.9	746	123.5	737	122.0	762	126.2	768	127.2	801	132.6	809	133.9	829	137.3	836	138.4	864	143.0
Harpers Choice MS	506	506	506	506	490	96.8	485	95.8	457	90.3	439	86.8	453	89.5	462	91.3	477	94.3	470	92.9	473	93.5	463	91.5	473	93.5
Lake Elkhorn MS	643	643	643	643	555	86.3	503	78.2	503	78.2	486	75.6	501	77.9	481	74.8	489	76.0	479	74.5	476	74.0	473	73.6	482	75.0
Lime Kiln MS	721	721	721	721	696	96.5	700	97.1	746	103.5	767	106.4	776	107.6	786	109.0	810	112.3	854	118.4	841	116.6	863	119.7	848	117.6
Mayfield Woods MS	798	798	798	798	842	105.5	839	105.1	833	104.4	822	103.0	850	106.5	868	108.8	915	114.7	935	117.2	936	117.3	923	115.7	946	118.5
Mount View MS	798	798	798	798	842	105.5	895	112.2	911	114.2	911	114.2	940	117.8	944	118.3	968	121.3	972	121.8	968	121.3	970	121.6	971	121.7
Murray Hill MS	662	662	662	662	799	120.7	785	118.6	775	117.1	808	122.1	847	127.9	859	129.8	829	125.2	836	126.3	832	125.7	843	127.3	843	127.3
Oakland Mills MS	A 506	506	506	506	500	98.8	498	98.4	510	100.8	519	102.6	516	102.0	509	100.6	510	77.0	491	74.2	494	74.6	488	73.7	507	76.6
Patapsco MS	A 643	643	643	643	775	120.5	834	129.7	865	134.5	879	136.7	885	137.6	889	138.3	900	140.0	903	140.4	902	113.0	895	112.2	892	111.8
Patuxent Valley MS	760	760	760	760	715	94.1	687	90.4	695	91.4	673	88.6	682	89.7	679	89.3	714	93.9	723	95.1	723	95.1	738	97.1	766	100.8
Thomas Viaduct MS	701	701	701	701	748	106.7	781	111.4	763	108.8	781	111.4	773	110.3	778	111.0	769	109.7	783	111.7	806	115.0	832	118.7	843	120.3
Wilde Lake MS	721	721	721	721	655	90.8	669	92.8	695	96.4	704	97.6	730	101.2	767	106.4	797	110.5	839	116.4	836	116.0	873	121.1	897	124.4
Countywide Totals	13438	13438	13438	13438	14015	104.3	14072	104.7	14151	105.3	14182	105.5	14429	106.6	14546	107.5	14845	108.4	14966	109.3	14990	108.3	15074	108.9	15364	111.0

'A' includes additions as proposed for FY 2021 CIP for grades 6-8

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

Southwestern Option # 2 - Elementary and Middle Assessments

Elementary School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	4	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	0	
	Mean	4.2	5.0	
Proximity to school	# of Schools Strengthened	NA	0	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	4	
	Mean	5789	5859	
(smaller # = closer set of polygons)			NEGLIGIBLE	
Small MS from ES Feeds (under 15%)				Feed information in middle and high school sections.
Double Small Feed	# of Double Small Feeds	1	1	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			NEGLIGIBLE	
Non-contiguous Attendance Areas	Number of "Islands"	5	6	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			WEAKNESS	
Students moved within 5 yrs of last ES move	Number	NA	0	
	% of Enrollment	NA	0.0%	
			0	
Students Moved	Number moved in	NA	296	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	Number moved out	NA	296	
Strength		Negligible	Weakness	

Middle School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	1	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	1	
	Mean	6.7	6.9	
Proximity to school	# of Schools Strengthened	NA	0	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	2	
	Mean	8322	8329	
(smaller # = closer set of polygons)			NEGLIGIBLE	
Small MS from ES Feeds (under 15%)	# of Small Feeds	17	17	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			NEGLIGIBLE	
Double Small Feed	# of Double Small Feeds	1	1	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			NEGLIGIBLE	
Non-contiguous Attendance Areas	Number of "Islands"	0	0	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			NEGLIGIBLE	
Students moved within 5 yrs of last ES move	Number	NA	0	
	% of Enrollment	NA	0.0%	
			0	
Students Moved	Number moved in	NA	20	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	Number moved out	NA	20	
Strength		Negligible	Weakness	

Southwestern Option # 2 - Middle School Feed Report

Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed	Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Bonnie Branch MS	Ilchester ES Jeffers Hill ES Phelps Luck ES Rockburn ES Waterloo ES	47.7% 2.1% 45.9% 4.3% 0.0%	Ilchester ES Jeffers Hill ES Phelps Luck ES Rockburn ES Waterloo ES	47.7% 2.1% 45.9% 4.3% 0.0%	Lake Elkhorn MS	Cradlerock ES Guilford ES Jeffers Hill ES Talbot Springs ES	41.1% 26.5% 24.1% 8.3%	Cradlerock ES Guilford ES Jeffers Hill ES Talbot Springs ES	41.1% 26.5% 24.1% 8.3%
Burleigh Manor MS	Centennial Lane ES Manor Woods ES Northfield ES Triadelphia Ridge ES	56.3% 27.1% 15.4% 1.1%	Centennial Lane ES Manor Woods ES Northfield ES Triadelphia Ridge ES	56.3% 27.1% 15.4% 1.1%	Lime Kiln MS	Dayton Oaks ES Fulton ES Pointers Run ES	27.8% 58.6% 13.5%	Dayton Oaks ES Fulton ES Pointers Run ES	31.3% 58.0% 10.7%
Clarksville MS	Clarksville ES Pointers Run ES	46.2% 53.8%	Clarksville ES Pointers Run ES	52.6% 47.4%	Mayfield Woods MS	Bellows Spring ES Deep Run ES Jeffers Hill ES Waterloo ES	29.5% 42.4% 10.0% 18.1%	Bellows Spring ES Deep Run ES Jeffers Hill ES Waterloo ES	29.5% 42.4% 10.0% 18.1%
Dunloggin MS	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	6.7% 44.7% 11.6% 5.2% 31.8%	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	6.7% 44.7% 11.6% 5.2% 31.8%	Mount View MS	Manor Woods ES Waverly ES West Friendship ES	22.3% 46.8% 30.9%	Manor Woods ES Waverly ES West Friendship ES	22.3% 46.8% 30.9%
Elkridge Landing MS	Elkridge ES Rockburn ES	65.8% 34.2%	Elkridge ES Rockburn ES	65.8% 34.2%	Murray Hill MS	Gorman Crossing ES Laurel Woods ES	54.4% 45.6%	Gorman Crossing ES Laurel Woods ES	54.4% 45.6%
Ellicott Mills MS	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	20.7% 26.9% 17.9% 34.5%	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	20.7% 26.9% 17.9% 34.5%	Oakland Mills MS	Atholton ES Stevens Forest ES Talbot Springs ES Thunder Hill ES	9.2% 41.0% 35.1% 14.6%	Atholton ES Stevens Forest ES Talbot Springs ES Thunder Hill ES	9.2% 41.0% 35.1% 14.6%
Folly Quarter MS	Bushy Park ES Clarksville ES Dayton Oaks ES Triadelphia Ridge ES	18.9% 0.1% 30.9% 50.1%	Bushy Park ES Clarksville ES Dayton Oaks ES Triadelphia Ridge ES	28.5% 0.1% 21.3% 50.1%	Patapsco MS	Hollifield Station ES St Johns Lane ES Waverly ES	48.1% 40.6% 11.3%	Hollifield Station ES St Johns Lane ES Waverly ES	48.1% 40.6% 11.3%
Glenwood MS	Bushy Park ES Lisbon ES	48.2% 51.8%	Bushy Park ES Lisbon ES	48.2% 51.8%	Patuxent Valley MS	Bollman Bridge ES Forest Ridge ES	49.3% 50.7%	Bollman Bridge ES Forest Ridge ES	49.3% 50.7%
Hammond MS	Atholton ES Fulton ES Guilford ES Hammond ES	25.8% 16.0% 0.0% 58.2%	Atholton ES Fulton ES Guilford ES Hammond ES	25.8% 16.0% 0.0% 58.2%	Thomas Viaduct MS	Bellows Spring ES Ducketts Lane ES Guilford ES Hanover Hills ES	10.6% 35.9% 9.0% 44.5%	Bellows Spring ES Ducketts Lane ES Guilford ES Hanover Hills ES	10.6% 35.9% 9.0% 44.5%
Harpers Choice MS	Longfellow ES Swansfield ES	39.9% 60.1%	Longfellow ES Swansfield ES	39.9% 60.1%	Wilde Lake MS	Bryant Woods ES Clemens Crossing ES Running Brook ES	34.6% 29.4% 36.0%	Bryant Woods ES Clemens Crossing ES Running Brook ES	34.6% 29.4% 36.0%

Southwestern Option # 2 - High School Feed Report

High School	Before Feeding Schools	Feed	After Feeding Schools	Feed	High School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Atholton HS	Clarksville MS	34.0%	Clarksville MS	34.0%	Marriotts Ridge HS	Burleigh Manor MS	18.2%	Burleigh Manor MS	18.2%
	Hammond MS	13.0%	Hammond MS	13.0%		Mount View MS	81.8%	Mount View MS	81.8%
	Murray Hill MS	21.1%	Murray Hill MS	21.1%					
	Wilde Lake MS	31.9%	Wilde Lake MS	31.9%					
Centennial HS	Burleigh Manor MS	51.3%	Burleigh Manor MS	51.3%	Mt Hebron HS	Dunloggin MS	17.2%	Dunloggin MS	17.2%
	Dunloggin MS	23.4%	Dunloggin MS	23.4%		Ellicott Mills MS	21.6%	Ellicott Mills MS	21.6%
	Ellicott Mills MS	25.3%	Ellicott Mills MS	25.3%		Patapsco MS	61.2%	Patapsco MS	61.2%
Glenelg HS	Folly Quarter MS	38.6%	Folly Quarter MS	38.6%	Oakland Mills HS	Lake Elkhorn MS	46.7%	Lake Elkhorn MS	46.7%
	Glenwood MS	61.4%	Glenwood MS	61.4%		Oakland Mills MS	53.3%	Oakland Mills MS	53.3%
Hammond HS	Hammond MS	26.6%	Hammond MS	26.6%	Reservoir HS	Hammond MS	11.5%	Hammond MS	11.5%
	Lake Elkhorn MS	11.9%	Lake Elkhorn MS	11.9%		Lime Kiln MS	33.0%	Lime Kiln MS	33.0%
	Patuxent Valley MS	44.8%	Patuxent Valley MS	44.8%		Murray Hill MS	41.9%	Murray Hill MS	41.9%
	Thomas Viaduct MS	16.7%	Thomas Viaduct MS	16.7%		Patuxent Valley MS	13.7%	Patuxent Valley MS	13.7%
Howard HS	Bonnie Branch MS	35.2%	Bonnie Branch MS	35.2%	River Hill HS	Clarksville MS	46.0%	Clarksville MS	45.7%
	Elkridge Landing MS	45.7%	Elkridge Landing MS	45.7%		Folly Quarter MS	32.9%	Folly Quarter MS	32.9%
	Ellicott Mills MS	18.7%	Ellicott Mills MS	18.7%		Lime Kiln MS	21.1%	Lime Kiln MS	21.4%
	Mayfield Woods MS	0.4%	Mayfield Woods MS	0.4%	Wilde Lake HS	Dunloggin MS	11.0%	Dunloggin MS	11.0%
Long Reach HS	Bonnie Branch MS	11.3%	Bonnie Branch MS	11.3%		Harpers Choice MS	51.1%	Harpers Choice MS	51.1%
	Elkridge Landing MS	9.0%	Elkridge Landing MS	9.0%		Wilde Lake MS	37.9%	Wilde Lake MS	37.9%
	Mayfield Woods MS	49.7%	Mayfield Woods MS	49.7%					
	Thomas Viaduct MS	30.0%	Thomas Viaduct MS	30.0%					

Southwestern Option # 2 - Elementary Race Report

Elementary School	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Atholton ES	<=5%	<=5%	8%	8%	21%	21%	<=5%	<=5%	10%	10%	9%	9%	52%	52%
Bellows Spring ES	<=5%	<=5%	30%	30%	25%	25%	<=5%	<=5%	11%	11%	6%	6%	27%	27%
Bollman Bridge ES	<=5%	<=5%	8%	8%	38%	38%	<=5%	<=5%	23%	23%	6%	6%	23%	23%
Bryant Woods ES	<=5%	<=5%	<=5%	<=5%	55%	55%	<=5%	<=5%	12%	12%	9%	9%	20%	20%
Bushy Park ES	<=5%	<=5%	14%	15%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	72%	72%
Centennial Lane ES	<=5%	<=5%	50%	50%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	7%	7%	33%	33%
Clarksville ES	<=5%	<=5%	56%	51%	8%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	27%	33%
Clemens Crossing ES	<=5%	<=5%	15%	15%	17%	17%	<=5%	<=5%	9%	9%	11%	11%	48%	48%
Cradlerock ES	<=5%	<=5%	7%	7%	48%	48%	<=5%	<=5%	16%	16%	8%	8%	21%	21%
Dayton Oaks ES	<=5%	<=5%	20%	23%	10%	11%	<=5%	<=5%	<=5%	6%	6%	6%	59%	54%
Deep Run ES	<=5%	<=5%	14%	14%	15%	15%	<=5%	<=5%	40%	40%	<=5%	<=5%	24%	24%
Ducketts Lane ES	<=5%	<=5%	13%	13%	39%	39%	<=5%	<=5%	21%	21%	<=5%	<=5%	22%	22%
Elkridge ES	<=5%	<=5%	18%	18%	27%	27%	<=5%	<=5%	8%	8%	7%	7%	40%	40%
Forest Ridge ES	<=5%	<=5%	23%	23%	35%	35%	<=5%	<=5%	14%	14%	7%	7%	21%	21%
Fulton ES	<=5%	<=5%	31%	31%	14%	14%	<=5%	<=5%	<=5%	<=5%	10%	10%	41%	41%
Gorman Crossing ES	<=5%	<=5%	29%	29%	33%	33%	<=5%	<=5%	11%	11%	7%	7%	20%	20%
Guilford ES	<=5%	<=5%	16%	16%	47%	47%	<=5%	<=5%	12%	12%	7%	7%	19%	19%
Hammond ES	<=5%	<=5%	13%	13%	29%	29%	<=5%	<=5%	12%	12%	8%	8%	37%	37%
Hanover Hills ES	<=5%	<=5%	25%	25%	38%	38%	<=5%	<=5%	15%	15%	<=5%	<=5%	16%	16%
Hollifield Station ES	<=5%	<=5%	45%	45%	15%	15%	<=5%	<=5%	12%	12%	<=5%	<=5%	25%	25%
Ilchester ES	<=5%	<=5%	27%	27%	6%	6%	<=5%	<=5%	<=5%	<=5%	6%	6%	58%	58%
Jeffers Hill ES	<=5%	<=5%	12%	12%	38%	38%	<=5%	<=5%	20%	20%	9%	9%	20%	20%
Laurel Woods ES	<=5%	<=5%	11%	11%	52%	52%	<=5%	<=5%	25%	25%	6%	6%	7%	7%
Lisbon ES	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	8%	8%	7%	7%	79%	79%
Longfellow ES	<=5%	<=5%	10%	10%	33%	33%	<=5%	<=5%	23%	23%	11%	11%	23%	23%
Manor Woods ES	<=5%	<=5%	47%	47%	9%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	35%	35%
Northfield ES	<=5%	<=5%	27%	27%	9%	9%	<=5%	<=5%	6%	6%	9%	9%	48%	48%
Phelps Luck ES	<=5%	<=5%	6%	6%	38%	38%	<=5%	<=5%	30%	30%	9%	9%	17%	17%
Pointers Run ES	<=5%	<=5%	33%	32%	9%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	49%	49%
Rockburn ES	<=5%	<=5%	19%	19%	13%	13%	<=5%	<=5%	<=5%	<=5%	7%	7%	55%	55%
Running Brook ES	<=5%	<=5%	<=5%	<=5%	57%	57%	<=5%	<=5%	12%	12%	8%	8%	18%	18%
St Johns Lane ES	<=5%	<=5%	35%	35%	13%	13%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	43%	43%
Stevens Forest ES	<=5%	<=5%	6%	6%	40%	40%	<=5%	<=5%	29%	29%	10%	10%	14%	14%
Swansfield ES	<=5%	<=5%	<=5%	<=5%	55%	55%	<=5%	<=5%	18%	18%	7%	7%	15%	15%
Talbott Springs ES	<=5%	<=5%	<=5%	<=5%	40%	40%	<=5%	<=5%	25%	25%	7%	7%	24%	24%
Thunder Hill ES	<=5%	<=5%	19%	19%	27%	27%	<=5%	<=5%	8%	8%	9%	9%	37%	37%
Triadelphia Ridge ES	<=5%	<=5%	29%	29%	8%	8%	<=5%	<=5%	7%	7%	9%	9%	47%	47%
Veterans ES	<=5%	<=5%	52%	52%	14%	14%	<=5%	<=5%	7%	7%	<=5%	<=5%	25%	25%
Waterloo ES	<=5%	<=5%	23%	23%	29%	29%	<=5%	<=5%	<=5%	<=5%	7%	7%	36%	36%
Waverly ES	<=5%	<=5%	49%	49%	7%	7%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	37%	37%
West Friendship ES	<=5%	<=5%	22%	22%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	6%	65%	65%
Worthington ES	<=5%	<=5%	39%	39%	7%	7%	<=5%	<=5%	<=5%	<=5%	6%	6%	44%	44%
Countywide Average	<=5%		22%		25%		<=5%		12%		7%		34%	

See page 35 for information about the data used in this report.

Southwestern Option # 2 - Middle Race Report

	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
Middle School	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Bonnie Branch MS	<=5%	<=5%	16%	16%	26%	26%	<=5%	<=5%	15%	15%	7%	7%	35%	35%
Burleigh Manor MS	<=5%	<=5%	48%	48%	12%	12%	<=5%	<=5%	<=5%	<=5%	6%	6%	29%	29%
Clarksville MS	<=5%	<=5%	40%	40%	6%	6%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	45%	45%
Dunloggin MS	<=5%	<=5%	33%	33%	16%	16%	<=5%	<=5%	8%	8%	<=5%	<=5%	39%	39%
Elkridge Landing MS	<=5%	<=5%	17%	17%	23%	23%	<=5%	<=5%	8%	8%	6%	6%	46%	46%
Ellicott Mills MS	<=5%	<=5%	32%	32%	14%	14%	<=5%	<=5%	6%	6%	<=5%	<=5%	43%	43%
Folly Quarter MS	<=5%	<=5%	27%	27%	6%	6%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	57%	57%
Glenwood MS	<=5%	<=5%	8%	8%	6%	6%	<=5%	<=5%	7%	7%	<=5%	<=5%	75%	75%
Hammond MS	<=5%	<=5%	12%	12%	26%	26%	<=5%	<=5%	8%	8%	8%	8%	45%	45%
Harpers Choice MS	<=5%	<=5%	8%	8%	50%	50%	<=5%	<=5%	16%	16%	8%	8%	18%	18%
Lake Elkhorn MS	<=5%	<=5%	10%	10%	51%	51%	<=5%	<=5%	18%	18%	7%	7%	14%	14%
Lime Kiln MS	<=5%	<=5%	28%	28%	12%	12%	<=5%	<=5%	<=5%	<=5%	6%	6%	50%	49%
Mayfield Woods MS	<=5%	<=5%	13%	13%	29%	29%	<=5%	<=5%	25%	25%	<=5%	<=5%	28%	28%
Mount View MS	<=5%	<=5%	36%	36%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	6%	49%	49%
Murray Hill MS	<=5%	<=5%	17%	17%	45%	45%	<=5%	<=5%	21%	21%	<=5%	<=5%	13%	13%
Oakland Mills MS	<=5%	<=5%	<=5%	<=5%	37%	37%	<=5%	<=5%	21%	21%	10%	10%	27%	27%
Patapsco MS	<=5%	<=5%	33%	33%	11%	11%	<=5%	<=5%	9%	9%	<=5%	<=5%	43%	43%
Patuxent Valley MS	<=5%	<=5%	17%	17%	38%	38%	<=5%	<=5%	18%	18%	6%	6%	21%	21%
Thomas Viaduct MS	<=5%	<=5%	14%	14%	45%	45%	<=5%	<=5%	18%	18%	<=5%	<=5%	18%	18%
Wilde Lake MS	<=5%	<=5%	8%	8%	47%	47%	<=5%	<=5%	11%	11%	9%	9%	25%	25%
Countywide Average	<=5%		21%		25%		<=5%		12%		6%		36%	

See page 35 for information about the data used in this report.

Southwestern Option # 2 - Elementary and Middle ESOL Report

School	% ESOL Participation	
	Base	Proposed
Atholton ES	<=5%	<=5%
Bellows Spring ES	9%	9%
Bollman Bridge ES	14%	14%
Bryant Woods ES	<=5%	<=5%
Bushy Park ES	<=5%	<=5%
Centennial Lane ES	6%	6%
Clarksville ES	6%	6%
Clemens Crossing ES	<=5%	<=5%
Cradlerock ES	8%	8%
Dayton Oaks ES	<=5%	<=5%
Deep Run ES	23%	23%
Ducketts Lane ES	16%	16%
Elkridge ES	6%	6%
Forest Ridge ES	9%	9%
Fulton ES	6%	6%
Gorman Crossing ES	7%	7%
Guilford ES	7%	7%
Hammond ES	6%	6%
Hanover Hills ES	11%	11%
Hollifield Station ES	13%	13%
Ilchester ES	<=5%	<=5%
Jeffers Hill ES	9%	9%
Laurel Woods ES	13%	13%
Lisbon ES	<=5%	<=5%
Longfellow ES	<=5%	<=5%
Manor Woods ES	8%	8%
Northfield ES	<=5%	<=5%
Phelps Luck ES	17%	17%
Pointers Run ES	<=5%	<=5%
Rockburn ES	<=5%	<=5%
Running Brook ES	6%	6%
St Johns Lane ES	<=5%	<=5%
Stevens Forest ES	20%	20%
Swansfield ES	8%	8%
Talbott Springs ES	12%	12%
Thunder Hill ES	6%	6%
Triadelphia Ridge ES	<=5%	<=5%
Veterans ES	10%	10%
Waterloo ES	8%	8%
Waverly ES	<=5%	<=5%
West Friendship ES	<=5%	<=5%
Worthington ES	<=5%	<=5%
Countywide Average	7%	

School	% ESOL Participation	
	Base	Proposed
Bonnie Branch MS	6%	6%
Burleigh Manor MS	<=5%	<=5%
Clarksville MS	<=5%	<=5%
Dunloggin MS	<=5%	<=5%
Elkridge Landing MS	<=5%	<=5%
Ellicott Mills MS	<=5%	<=5%
Folly Quarter MS	<=5%	<=5%
Glenwood MS	<=5%	<=5%
Hammond MS	<=5%	<=5%
Harpers Choice MS	<=5%	<=5%
Lake Elkhorn MS	<=5%	<=5%
Lime Kiln MS	<=5%	<=5%
Mayfield Woods MS	<=5%	<=5%
Mount View MS	<=5%	<=5%
Murray Hill MS	<=5%	<=5%
Oakland Mills MS	<=5%	<=5%
Patapsco MS	<=5%	<=5%
Patuxent Valley MS	<=5%	<=5%
Thomas Viaduct MS	6%	6%
Wilde Lake MS	<=5%	<=5%
Countywide Average	<=5%	

See page 35 for information about the data used in this report.

Southwestern Option # 2 - Elementary FARM and Test Percentages

FARM/Test Data		Southwestern 2	
School Name	FARM	PARCC-Read	PARCC-Math
Atholton ES	15%	47%	58%
Bellows Spring ES	17%	63%	59%
Bollman Bridge ES	50%	29%	32%
Bryant Woods ES	51%	37%	45%
Bushy Park ES	<=5%	78%	77%
Centennial Lane ES	6%	75%	82%
Clarksville ES	<=5%	83%	89%
Clemens Crossing ES	13%	66%	63%
Cradlerock ES	55%	35%	26%
Dayton Oaks ES	<=5%	65%	74%
Deep Run ES	54%	37%	40%
Ducketts Lane ES	53%	41%	40%
Elkridge ES	32%	44%	47%
Forest Ridge ES	33%	53%	50%
Fulton ES	<=5%	70%	77%
Gorman Crossing ES	18%	53%	59%
Guilford ES	45%	38%	36%
Hammond ES	24%	52%	60%
Hanover Hills ES	37%	43%	47%
Hollifield Station ES	24%	54%	56%
Ilchester ES	<=5%	84%	77%
Jeffers Hill ES	35%	43%	35%
Laurel Woods ES	61%	37%	37%
Lisbon ES	12%	67%	57%
Longfellow ES	49%	50%	50%
Manor Woods ES	8%	68%	72%
Northfield ES	11%	62%	65%
Phelps Luck ES	63%	36%	35%
Pointers Run ES	<=5%	71%	80%
Rockburn ES	6%	65%	70%
Running Brook ES	52%	32%	34%
St Johns Lane ES	9%	63%	64%
Stevens Forest ES	65%	33%	30%
Swansfield ES	61%	29%	34%
Talbott Springs ES	49%	53%	46%
Thunder Hill ES	21%	62%	63%
Triadelphia Ridge ES	<=5%	71%	80%
Veterans ES	21%	55%	59%
Waterloo ES	24%	65%	66%
Waverly ES	<=5%	76%	79%
West Friendship ES	6%	70%	66%
Worthington ES	<=5%	68%	72%
System-wide total	25%	57%	59%

See page 35 for information about the data used in this report.

Southwestern Option # 2 - Middle FARM and Test Percentages

FARM/Test Data		Southwestern 2	
School Name	FARM	MSA-Read	MSA-Math
Bonnie Branch MS	32%	49%	49%
Burleigh Manor MS	11%	76%	74%
Clarksville MS	<=5%	83%	84%
Dunloggin MS	19%	63%	59%
Elkridge Landing MS	21%	57%	44%
Ellicott Mills MS	11%	65%	66%
Folly Quarter MS	<=5%	69%	76%
Glenwood MS	7%	63%	60%
Hammond MS	19%	62%	55%
Harpers Choice MS	51%	30%	28%
Lake Elkhorn MS	52%	35%	27%
Lime Kiln MS	<=5%	73%	70%
Mayfield Woods MS	43%	43%	37%
Mount View MS	<=5%	76%	77%
Murray Hill MS	38%	47%	41%
Oakland Mills MS	48%	38%	34%
Patapsco MS	16%	57%	64%
Patuxent Valley MS	37%	44%	37%
Thomas Viaduct MS	45%	38%	29%
Wilde Lake MS	47%	44%	35%
System-wide total	25%	57%	54%

See page 35 for information about the data used in this report.

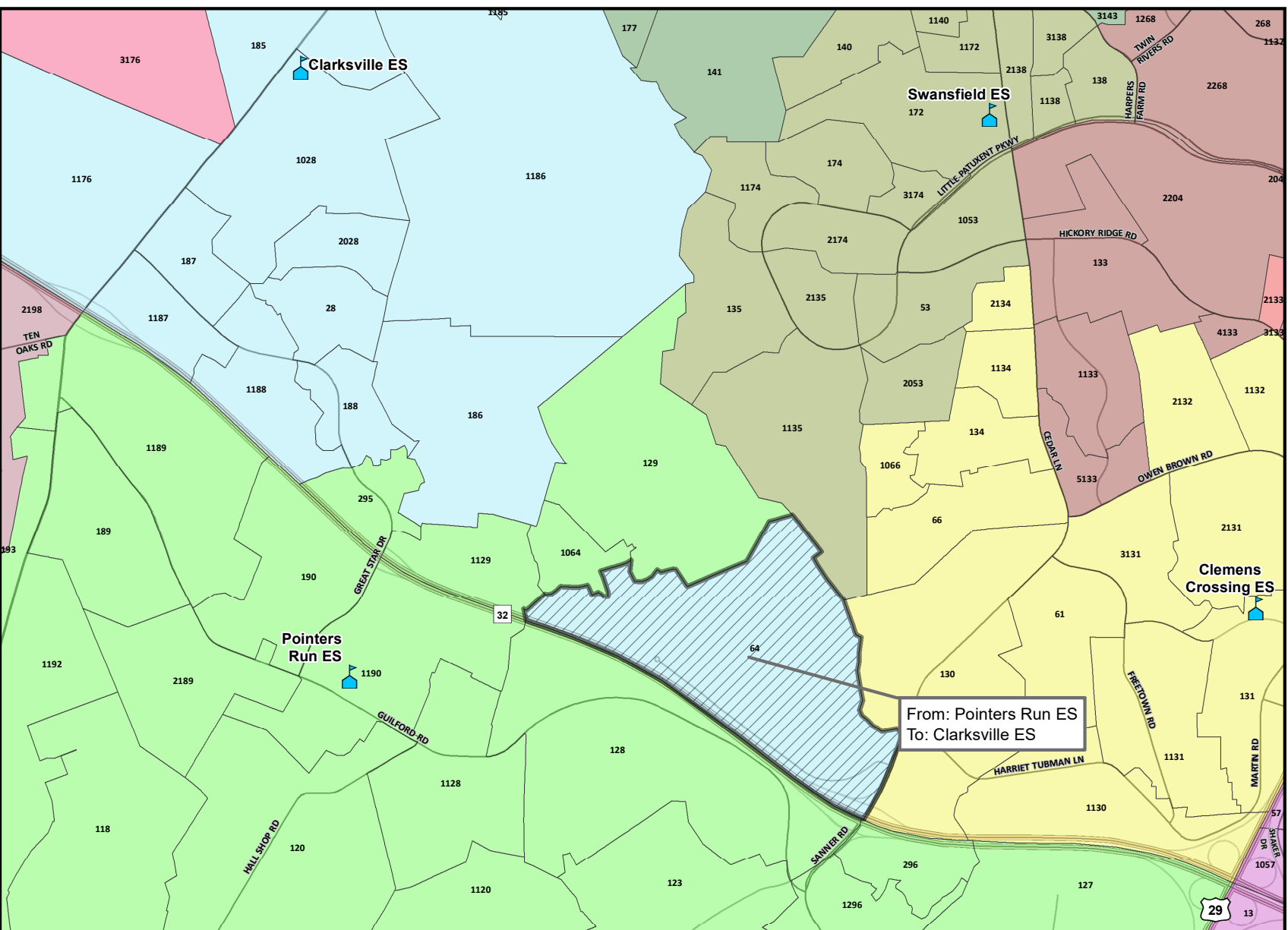
Southwestern Option # 3 - Summary and Polygon Moves

Southwestern Option #3:

The smallest of the southwestern options reassigns 86 projected SY 2020-2021 students. The reassigned polygon is projected to grow to approximately 145 projected students by SY 2024-2025 due to new construction. Considerations include the creation of a non-contiguous boundary for Clarksville ES and Pointers Run ES would remain over target utilization through SY 2024. There are no small feeds with this option.

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Pointers Run ES	Clarksville ES	86	64
Total		86	

Southwestern Option #3 - Elementary School Map



2019 Feasibility Study Boundary Review

Southwestern ES Option #3

Showing proposed boundaries and areas reassigned for this option.



Southwestern Option # 3 - Elementary Post Measures

Post-Measures

Southwestern Option 3

ELEMENTARY SCHOOLS - Data for Demonstrative Purposes Only
Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

School	Capacity				2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Atholton ES	424	424	424	424	461	108.7	457	107.8	449	105.9	442	104.2	444	104.7	444	104.7	443	104.5	442	104.2	441	104.0	441	104.0	442	104.2
Bellows Spring ES	726	726	726	726	767	105.6	808	111.3	826	113.8	843	116.1	867	119.4	889	122.5	885	121.9	880	121.2	884	121.8	876	120.7	853	117.5
Bollman Bridge ES	666	666	666	666	683	102.6	695	104.4	706	106.0	754	113.2	765	114.9	760	114.1	747	112.2	739	111.0	737	110.7	722	108.4	737	110.7
Bryant Woods ES	361	361	361	361	451	124.9	465	128.8	475	131.6	478	132.4	489	135.5	495	137.1	500	138.5	508	140.7	518	143.5	528	146.3	534	147.9
Bushy Park ES	725	725	725	725	597	82.3	563	77.7	565	77.9	544	75.0	530	73.1	521	71.9	536	73.9	534	73.7	567	78.2	589	81.2	583	80.4
Centennial Lane ES	647	647	647	647	715	110.5	718	111.0	736	113.8	727	112.4	741	114.5	757	117.0	768	118.7	788	121.8	788	121.8	801	123.8	803	124.1
Clarksville ES	543	543	543	543	467	86.0	495	91.2	510	93.9	513	94.5	509	93.7	522	96.1	520	95.8	517	95.2	531	97.8	527	97.1	529	97.4
Clemens Crossing ES	521	521	521	521	548	105.2	595	114.2	591	113.4	605	116.1	620	119.0	633	121.5	660	126.7	670	128.6	693	133.0	715	137.2	727	139.5
Cradlerock ES	398	398	398	398	460	115.6	475	119.3	470	118.1	473	118.8	473	118.8	473	118.8	474	119.1	472	118.6	472	118.6	476	119.6	475	119.3
Dayton Oaks ES	700	700	700	700	667	95.3	708	101.1	717	102.4	752	107.4	789	112.7	807	115.3	818	116.9	815	116.4	837	119.6	854	122.0	875	125.0
Deep Run ES	750	750	750	750	682	90.9	713	95.1	731	97.5	752	100.3	786	104.8	806	107.5	820	109.3	843	112.4	866	115.5	892	118.9	905	120.7
Ducketts Lane ES	650	650	650	650	569	87.5	580	89.2	589	90.6	603	92.8	600	92.3	602	92.6	614	94.5	614	94.5	609	93.7	607	93.4	604	92.9
Elkridge ES	760	760	760	760	893	117.5	908	119.5	909	119.6	906	119.2	926	121.8	965	127.0	986	129.7	1057	139.1	1116	146.8	1144	150.5	1137	149.6
Forest Ridge ES	713	713	713	713	678	95.1	692	97.1	694	97.3	713	100.0	740	103.8	796	111.6	844	118.4	883	123.8	919	128.9	942	132.1	956	134.1
Fulton ES	826	826	826	826	1009	122.2	1041	126.0	1038	125.7	1072	129.8	1070	129.5	1067	129.2	1048	126.9	1019	123.4	1025	124.1	1006	121.8	1008	122.0
Gorman Crossing ES	735	735	735	735	826	112.4	860	117.0	878	119.5	869	118.2	861	117.1	852	115.9	863	117.4	871	118.5	865	117.7	850	115.6	856	116.5
Guilford ES	465	465	465	465	367	78.9	360	77.4	346	74.4	351	75.5	364	78.3	398	85.6	407	87.5	417	89.7	430	92.5	436	93.8	433	93.1
Hammond ES	653	653	653	653	618	94.6	614	94.0	626	95.9	658	100.8	696	106.6	728	111.5	752	115.2	802	122.8	827	126.6	853	130.6	866	132.6
Hanover Hills ES	NS	810	810	810	723	89.3	705	87.0	713	88.0	706	87.2	697	86.0	697	86.0	694	85.7	729	90.0	752	92.8	747	92.2	737	91.0
Hollifield Station ES	732	732	732	732	923	126.1	906	123.8	884	120.8	862	117.8	870	118.9	868	118.6	869	118.7	864	118.0	862	117.8	858	117.2	868	118.6
Ilchester ES	584	584	584	584	598	102.4	582	99.7	608	104.1	625	107.0	641	109.8	704	120.5	725	124.1	753	128.9	780	133.6	805	137.8	815	139.6
Jeffers Hill ES	421	421	421	421	413	98.1	408	96.9	387	91.9	395	93.0	389	92.4	390	92.6	399	94.8	407	96.7	416	98.8	426	101.2	431	102.4
Laurel Woods ES	609	609	609	609	556	91.3	563	92.4	561	92.1	546	89.7	550	90.3	546	89.7	555	91.1	554	91.0	555	91.1	556	91.3	580	95.2
Lisbon ES	527	527	527	527	484	91.8	505	95.8	510	96.8	519	98.5	523	99.2	517	98.1	533	101.1	562	106.6	590	112.0	594	112.7	597	113.3
Longfellow ES	512	512	512	512	438	85.5	452	88.3	468	91.4	470	91.8	474	92.6	490	95.7	499	97.5	507	99.0	520	101.6	529	103.3	535	104.5
Manor Woods ES	681	681	681	681	624	91.6	630	92.5	611	89.7	638	93.7	607	89.1	597	87.7	613	90.0	607	89.1	615	90.3	621	91.2	624	91.6
New ES #43	NS	0	0	0																						
New ES #44	NS	0	0	0																						
New ES #45	NS	0	0	0																						
Northfield ES	700	700	700	700	759	108.4	776	110.9	772	110.3	796	113.7	824	117.7	842	120.3	876	125.1	899	128.4	939	134.1	960	137.1	962	137.4
Phelps Luck ES	597	597	597	597	566	94.8	583	97.7	583	97.7	596	99.8	584	97.8	594	99.5	593	99.3	591	99.0	613	102.7	623	104.4	630	105.5
Pointers Run ES	744	744	744	744	839	112.8	867	116.5	885	119.0	912	122.6	915	123.0	913	122.7	895	120.3	872	117.2	841	113.0	813	109.3	786	105.6
Rockburn ES	584	584	584	584	593	101.5	611	104.6	611	104.6	627	107.4	638	109.2	654	112.0	676	115.8	677	115.9	678	116.1	673	115.2	663	113.5
Running Brook ES	515	515	515	515	468	90.9	471	91.5	500	97.1	551	107.0	583	113.2	610	118.4	644	125.0	673	130.7	712	138.3	724	140.6	749	145.4
St Johns Lane ES	612	612	612	612	726	118.6	735	120.1	750	122.5	768	125.5	787	128.6	805	131.5	806	131.7	804	131.4	795	129.9	788	128.8	785	128.3
Stevens Forest ES	380	380	380	380	414	108.9	420	110.5	427	112.4	440	115.8	435	114.5	434	114.2	435	114.5	439	115.5	439	115.5	438	115.3	439	115.5
Swansfield ES	A	694	694	694	547	78.8	538	77.5	536	77.2	538	77.5	535	77.1	542	78.1	545	78.5	555	80.0	572	82.4	582	83.9	591	85.2
Talbot Springs ES	377	377	540	540	465	123.3	442	117.2	426	78.9	406	75.2	409	75.7	422	78.1	425	78.7	439	81.3	458	84.8	477	88.3	487	90.2
Thunder Hill ES	509	509	509	509	508	99.8	487	95.7	485	95.3	467	91.7	466	91.6	468	91.9	467	91.7	489	96.1	499	98.0	511	100.4	516	101.4
Triadelphia Ridge ES	606	606	606	606	542	89.4	541	89.3	551	90.9	554	91.4	552	91.1	566	93.4	565	93.2	562	92.7	558	92.1	542	89.4	529	87.3
Veterans ES	799	799	799	799	822	102.9	808	101.1	799	100.0	794	99.4	801	100.3	800	100.1	830	103.9	867	108.5	867	108.5	868	108.6	864	108.1
Waterloo ES	603	603	603	603	548	90.9	525	87.1	521	86.4	486	80.6	508	84.2	519	86.1	526	87.2	531	88.1	557	92.4	569	94.4	573	95.0
Waverly ES	A	788	788	788	886	112.4	890	112.9	894	113.5	899	114.1	918	116.5	912	115.7	898	114.0	906	115.0	907	115.1	898	114.0	882	111.9
West Friendship ES	414	414	414	414	426	102.9	450	108.7	462	111.6	487	117.6	532	128.5	561	135.5	571	137.9	581	140.3	601	145.2	613	148.1	617	149.0
Worthington ES	515	515	515	515	458	88.9	457	88.7	459	89.1	469	91.1	492	95.5	515	100.0	531	103.1	607	117.9	660	128.2	661	128.3	641	124.5
Countywide Totals	25576	25576	25739	25739	25784	100.8	26099	102.0	26259	102.0	26606	103.4	27000	102.5	27481	104.3	27855	103.4	28346	105.2	28911	107.3	29135	108.2	29224	106.5

*A includes additions as proposed for FY 2021 CIP for grades K-5

*NS New School proposed for FY 2021 Capital Budget

*R Replacement School proposed for FY 2021 Capital Budget

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

Southwestern Option # 3 - Elementary Assessments

Elementary School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	2	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	0	
	Mean	4.2	4.6	
Proximity to school			NEGLIGIBLE	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Strengthened	NA	0	
	# of Schools Weakened	NA	2	
Small MS from ES Feeds (under 15%)	Mean	5789	5805	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
	(smaller # = closer set of polygons)		NEGLIGIBLE	
	# of Small Feeds	17	17	
Double Small Feed			NEGLIGIBLE	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
	# of Double Small Feeds	1	1	
			NEGLIGIBLE	
Non-contiguous Attendance Areas	Number of "Islands"	5	6	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			WEAKNESS	
Students moved within 5 yrs of last ES move	Number	NA	0	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	% of Enrollment	NA	0.0%	
			0	
Students Moved	Number moved in	NA	86	
	Number moved out	NA	86	
Strength		Negligible	Weakness	

Southwestern Option # 3 - Middle School Feed Report

Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed	Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Bonnie Branch MS	Ilchester ES Jeffers Hill ES Phelps Luck ES Rockburn ES Waterloo ES	47.7% 2.1% 45.9% 4.3% 0.0%	Ilchester ES Jeffers Hill ES Phelps Luck ES Rockburn ES Waterloo ES	47.7% 2.1% 45.9% 4.3% 0.0%	Lake Elkhorn MS	Cradlerock ES Guilford ES Jeffers Hill ES Talbott Springs ES	41.1% 26.5% 24.1% 8.3%	Cradlerock ES Guilford ES Jeffers Hill ES Talbott Springs ES	41.1% 26.5% 24.1% 8.3%
Burleigh Manor MS	Centennial Lane ES Manor Woods ES Northfield ES Triadelphia Ridge ES	56.3% 27.1% 15.4% 1.1%	Centennial Lane ES Manor Woods ES Northfield ES Triadelphia Ridge ES	56.3% 27.1% 15.4% 1.1%	Lime Kiln MS	Dayton Oaks ES Fulton ES Pointers Run ES	27.8% 58.6% 13.5%	Dayton Oaks ES Fulton ES Pointers Run ES	27.8% 58.6% 13.5%
Clarksville MS	Clarksville ES Pointers Run ES	46.2% 53.8%	Clarksville ES Pointers Run ES	49.3% 50.7%	Mayfield Woods MS	Bellows Spring ES Deep Run ES Jeffers Hill ES Waterloo ES	29.5% 42.4% 10.0% 18.1%	Bellows Spring ES Deep Run ES Jeffers Hill ES Waterloo ES	29.5% 42.4% 10.0% 18.1%
Dunloggin MS	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	6.7% 44.7% 11.6% 5.2% 31.8%	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	6.7% 44.7% 11.6% 5.2% 31.8%	Mount View MS	Manor Woods ES Waverly ES West Friendship ES	22.3% 46.8% 30.9%	Manor Woods ES Waverly ES West Friendship ES	22.3% 46.8% 30.9%
Elkridge Landing MS	Elkridge ES Rockburn ES	65.8% 34.2%	Elkridge ES Rockburn ES	65.8% 34.2%	Murray Hill MS	Gorman Crossing ES Laurel Woods ES	54.4% 45.6%	Gorman Crossing ES Laurel Woods ES	54.4% 45.6%
Ellicott Mills MS	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	20.7% 26.9% 17.9% 34.5%	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	20.7% 26.9% 17.9% 34.5%	Oakland Mills MS	Atholton ES Stevens Forest ES Talbott Springs ES Thunder Hill ES	9.2% 41.0% 35.1% 14.6%	Atholton ES Stevens Forest ES Talbott Springs ES Thunder Hill ES	9.2% 41.0% 35.1% 14.6%
Folly Quarter MS	Bushy Park ES Clarksville ES Dayton Oaks ES Triadelphia Ridge ES	18.9% 0.1% 30.9% 50.1%	Bushy Park ES Clarksville ES Dayton Oaks ES Triadelphia Ridge ES	18.9% 0.1% 30.9% 50.1%	Patapsco MS	Hollifield Station ES St Johns Lane ES Waverly ES	48.1% 40.6% 11.3%	Hollifield Station ES St Johns Lane ES Waverly ES	48.1% 40.6% 11.3%
Glenwood MS	Bushy Park ES Lisbon ES	48.2% 51.8%	Bushy Park ES Lisbon ES	48.2% 51.8%	Patuxent Valley MS	Bollman Bridge ES Forest Ridge ES	49.3% 50.7%	Bollman Bridge ES Forest Ridge ES	49.3% 50.7%
Hammond MS	Atholton ES Fulton ES Guilford ES Hammond ES	25.8% 16.0% 0.0% 58.2%	Atholton ES Fulton ES Guilford ES Hammond ES	25.8% 16.0% 0.0% 58.2%	Thomas Viaduct MS	Bellows Spring ES Ducketts Lane ES Guilford ES Hanover Hills ES	10.6% 35.9% 9.0% 44.5%	Bellows Spring ES Ducketts Lane ES Guilford ES Hanover Hills ES	10.6% 35.9% 9.0% 44.5%
Harpers Choice MS	Longfellow ES Swansfield ES	39.9% 60.1%	Longfellow ES Swansfield ES	39.9% 60.1%	Wilde Lake MS	Bryant Woods ES Clemens Crossing ES Running Brook ES	34.6% 29.4% 36.0%	Bryant Woods ES Clemens Crossing ES Running Brook ES	34.6% 29.4% 36.0%

Southwestern Option # 3 - Elementary Race Report

Elementary School	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Atholton ES	<=5%	<=5%	8%	8%	21%	21%	<=5%	<=5%	10%	10%	9%	9%	52%	52%
Bellows Spring ES	<=5%	<=5%	30%	30%	25%	25%	<=5%	<=5%	11%	11%	6%	6%	27%	27%
Bollman Bridge ES	<=5%	<=5%	8%	8%	38%	38%	<=5%	<=5%	23%	23%	6%	6%	23%	23%
Bryant Woods ES	<=5%	<=5%	<=5%	<=5%	55%	55%	<=5%	<=5%	12%	12%	9%	9%	20%	20%
Bushy Park ES	<=5%	<=5%	14%	14%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	72%	72%
Centennial Lane ES	<=5%	<=5%	50%	50%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	7%	7%	33%	33%
Clarksville ES	<=5%	<=5%	56%	53%	8%	8%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	27%	31%
Clemens Crossing ES	<=5%	<=5%	15%	15%	17%	17%	<=5%	<=5%	9%	9%	11%	11%	48%	48%
Cradlerock ES	<=5%	<=5%	7%	7%	48%	48%	<=5%	<=5%	16%	16%	8%	8%	21%	21%
Dayton Oaks ES	<=5%	<=5%	20%	20%	10%	10%	<=5%	<=5%	<=5%	<=5%	6%	6%	59%	59%
Deep Run ES	<=5%	<=5%	14%	14%	15%	15%	<=5%	<=5%	40%	40%	<=5%	<=5%	24%	24%
Ducketts Lane ES	<=5%	<=5%	13%	13%	39%	39%	<=5%	<=5%	21%	21%	<=5%	<=5%	22%	22%
Elkridge ES	<=5%	<=5%	18%	18%	27%	27%	<=5%	<=5%	8%	8%	7%	7%	40%	40%
Forest Ridge ES	<=5%	<=5%	23%	23%	35%	35%	<=5%	<=5%	14%	14%	7%	7%	21%	21%
Fulton ES	<=5%	<=5%	31%	31%	14%	14%	<=5%	<=5%	<=5%	<=5%	10%	10%	41%	41%
Gorman Crossing ES	<=5%	<=5%	29%	29%	33%	33%	<=5%	<=5%	11%	11%	7%	7%	20%	20%
Guilford ES	<=5%	<=5%	16%	16%	47%	47%	<=5%	<=5%	12%	12%	7%	7%	19%	19%
Hammond ES	<=5%	<=5%	13%	13%	29%	29%	<=5%	<=5%	12%	12%	8%	8%	37%	37%
Hanover Hills ES	<=5%	<=5%	25%	25%	38%	38%	<=5%	<=5%	15%	15%	<=5%	<=5%	16%	16%
Hollifield Station ES	<=5%	<=5%	45%	45%	15%	15%	<=5%	<=5%	12%	12%	<=5%	<=5%	25%	25%
Ilchester ES	<=5%	<=5%	27%	27%	6%	6%	<=5%	<=5%	<=5%	<=5%	6%	6%	58%	58%
Jeffers Hill ES	<=5%	<=5%	12%	12%	38%	38%	<=5%	<=5%	20%	20%	9%	9%	20%	20%
Laurel Woods ES	<=5%	<=5%	11%	11%	52%	52%	<=5%	<=5%	25%	25%	6%	6%	7%	7%
Lisbon ES	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	8%	8%	7%	7%	79%	79%
Longfellow ES	<=5%	<=5%	10%	10%	33%	33%	<=5%	<=5%	23%	23%	11%	11%	23%	23%
Manor Woods ES	<=5%	<=5%	47%	47%	9%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	35%	35%
Northfield ES	<=5%	<=5%	27%	27%	9%	9%	<=5%	<=5%	6%	6%	9%	9%	48%	48%
Phelps Luck ES	<=5%	<=5%	6%	6%	38%	38%	<=5%	<=5%	30%	30%	9%	9%	17%	17%
Pointers Run ES	<=5%	<=5%	33%	33%	9%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	49%	48%
Rockburn ES	<=5%	<=5%	19%	19%	13%	13%	<=5%	<=5%	<=5%	<=5%	7%	7%	55%	55%
Running Brook ES	<=5%	<=5%	<=5%	<=5%	57%	57%	<=5%	<=5%	12%	12%	8%	8%	18%	18%
St Johns Lane ES	<=5%	<=5%	35%	35%	13%	13%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	43%	43%
Stevens Forest ES	<=5%	<=5%	6%	6%	40%	40%	<=5%	<=5%	29%	29%	10%	10%	14%	14%
Swansfield ES	<=5%	<=5%	<=5%	<=5%	55%	55%	<=5%	<=5%	18%	18%	7%	7%	15%	15%
Talbott Springs ES	<=5%	<=5%	<=5%	<=5%	40%	40%	<=5%	<=5%	25%	25%	7%	7%	24%	24%
Thunder Hill ES	<=5%	<=5%	19%	19%	27%	27%	<=5%	<=5%	8%	8%	9%	9%	37%	37%
Triadelphia Ridge ES	<=5%	<=5%	29%	29%	8%	8%	<=5%	<=5%	7%	7%	9%	9%	47%	47%
Veterans ES	<=5%	<=5%	52%	52%	14%	14%	<=5%	<=5%	7%	7%	<=5%	<=5%	25%	25%
Waterloo ES	<=5%	<=5%	23%	23%	29%	29%	<=5%	<=5%	<=5%	<=5%	7%	7%	36%	36%
Waverly ES	<=5%	<=5%	49%	49%	7%	7%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	37%	37%
West Friendship ES	<=5%	<=5%	22%	22%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	6%	65%	65%
Worthington ES	<=5%	<=5%	39%	39%	7%	7%	<=5%	<=5%	<=5%	<=5%	6%	6%	44%	44%
Countywide Average	<=5%		22%		25%		<=5%		12%		7%		34%	

See page 35 for information about the data used in this report.

Southwestern Option # 3 - Elementary ESOL Report

School	% ESOL Participation	
	Base	Proposed
Atholton ES	<=5%	<=5%
Bellows Spring ES	9%	9%
Bollman Bridge ES	14%	14%
Bryant Woods ES	<=5%	<=5%
Bushy Park ES	<=5%	<=5%
Centennial Lane ES	6%	6%
Clarksville ES	6%	6%
Clemens Crossing ES	<=5%	<=5%
Cradlerock ES	8%	8%
Dayton Oaks ES	<=5%	<=5%
Deep Run ES	23%	23%
Ducketts Lane ES	16%	16%
Elkridge ES	6%	6%
Forest Ridge ES	9%	9%
Fulton ES	6%	6%
Gorman Crossing ES	7%	7%
Guilford ES	7%	7%
Hammond ES	6%	6%
Hanover Hills ES	11%	11%
Hollifield Station ES	13%	13%
Ilchester ES	<=5%	<=5%
Jeffers Hill ES	9%	9%
Laurel Woods ES	13%	13%
Lisbon ES	<=5%	<=5%
Longfellow ES	<=5%	<=5%
Manor Woods ES	8%	8%
Northfield ES	<=5%	<=5%
Phelps Luck ES	17%	17%
Pointers Run ES	<=5%	<=5%
Rockburn ES	<=5%	<=5%
Running Brook ES	6%	6%
St Johns Lane ES	<=5%	<=5%
Stevens Forest ES	20%	20%
Swansfield ES	8%	8%
Talbott Springs ES	12%	12%
Thunder Hill ES	6%	6%
Triadelphia Ridge ES	<=5%	<=5%
Veterans ES	10%	10%
Waterloo ES	8%	8%
Waverly ES	<=5%	<=5%
West Friendship ES	<=5%	<=5%
Worthington ES	<=5%	<=5%
Countywide Average	7%	

See page 35 for information about the data used in this report.

Southwestern Option # 3- Elementary FARM and Test Percentages

FARM/Test Data		Southwestern 3	
School Name	FARM	PARCC-Read	PARCC-Math
Atholton ES	15%	47%	58%
Bellows Spring ES	17%	63%	59%
Bollman Bridge ES	50%	29%	32%
Bryant Woods ES	51%	37%	45%
Bushy Park ES	<=5%	76%	74%
Centennial Lane ES	6%	75%	82%
Clarksville ES	<=5%	82%	89%
Clemens Crossing ES	13%	66%	63%
Cradlerock ES	55%	35%	26%
Dayton Oaks ES	<=5%	69%	77%
Deep Run ES	54%	37%	40%
Ducketts Lane ES	53%	41%	40%
Elkridge ES	32%	44%	47%
Forest Ridge ES	33%	53%	50%
Fulton ES	<=5%	70%	77%
Gorman Crossing ES	18%	53%	59%
Guilford ES	45%	38%	36%
Hammond ES	24%	52%	60%
Hanover Hills ES	37%	43%	47%
Hollifield Station ES	24%	54%	56%
Ilchester ES	<=5%	84%	77%
Jeffers Hill ES	35%	43%	35%
Laurel Woods ES	61%	37%	37%
Lisbon ES	12%	67%	57%
Longfellow ES	49%	50%	50%
Manor Woods ES	8%	68%	72%
Northfield ES	11%	62%	65%
Phelps Luck ES	63%	36%	35%
Pointers Run ES	<=5%	72%	81%
Rockburn ES	6%	65%	70%
Running Brook ES	52%	32%	34%
St Johns Lane ES	9%	63%	64%
Stevens Forest ES	65%	33%	30%
Swansfield ES	61%	29%	34%
Talbott Springs ES	49%	53%	46%
Thunder Hill ES	21%	62%	63%
Triadelphia Ridge ES	<=5%	71%	80%
Veterans ES	21%	55%	59%
Waterloo ES	24%	65%	66%
Waverly ES	<=5%	76%	79%
West Friendship ES	6%	70%	66%
Worthington ES	<=5%	68%	72%
System-wide total	25%	57%	59%

See page 35 for information about the data used in this report.

Columbia Option # 1 - Summary and Polygon Moves

Columbia-area elementary schools

This section focuses on how to best utilize several recent capacity projects to address crowding at Bryant Woods ES and Clemens Crossing ES. Both schools are projected to continue to be above target utilization. Options to relieve these two schools through boundary adjustments are complicated by middle school feeds and walk areas. Swansfield ES is the school in this area with available capacity, but it feeds to Harper's Choice MS, while Bryant Woods ES (along with Running Brook ES and Clemens Crossing ES) feed to Wilde Lake MS. Because of this feed alignment, options should anticipate changes to middle school boundaries.

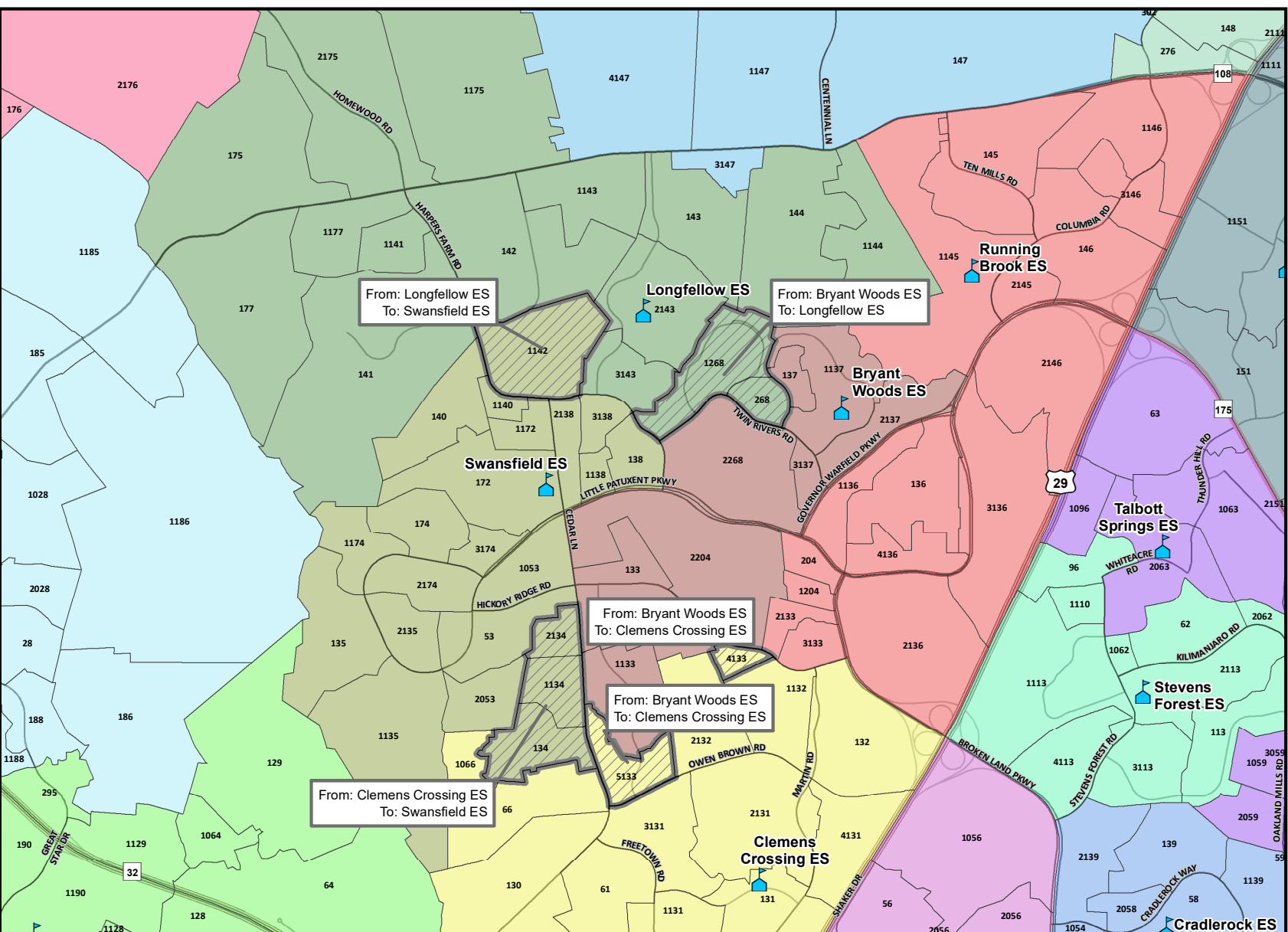
Columbia Option 1:

Adjustments to the Bryant Woods ES attendance area are needed to alleviate crowding. This option provides relief to Bryant Woods ES and Clemens Crossing ES utilizing Longfellow ES and Swansfield ES. Polygons 268, 1268 and 1142 are walkers to their current elementary assignments and can walk to their proposed assignments. Compromises in this option include creating a small feed at Wilde Lake MS from Longfellow ES and reassigning a neighborhood that was reassigned to Harper's Choice MS for the SY 2018-2019. Capacity exists at the middle school level to improve small feeds.

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Bryant Woods ES	Clemens Crossing ES	42	4133, 5133
Bryant Woods ES	Longfellow ES	92	268, 1268
Clemens Crossing ES	Swansfield ES	80	134, 1134, 2134
Longfellow ES	Swansfield ES	71	1142
Total		285	

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Harpers Choice MS	Wilde Lake MS	15	144, 1144
Wilde Lake MS	Harpers Choice MS	36	134, 1134, 2134
Total		51	

Columbia Option # 1 - Elementary School Map



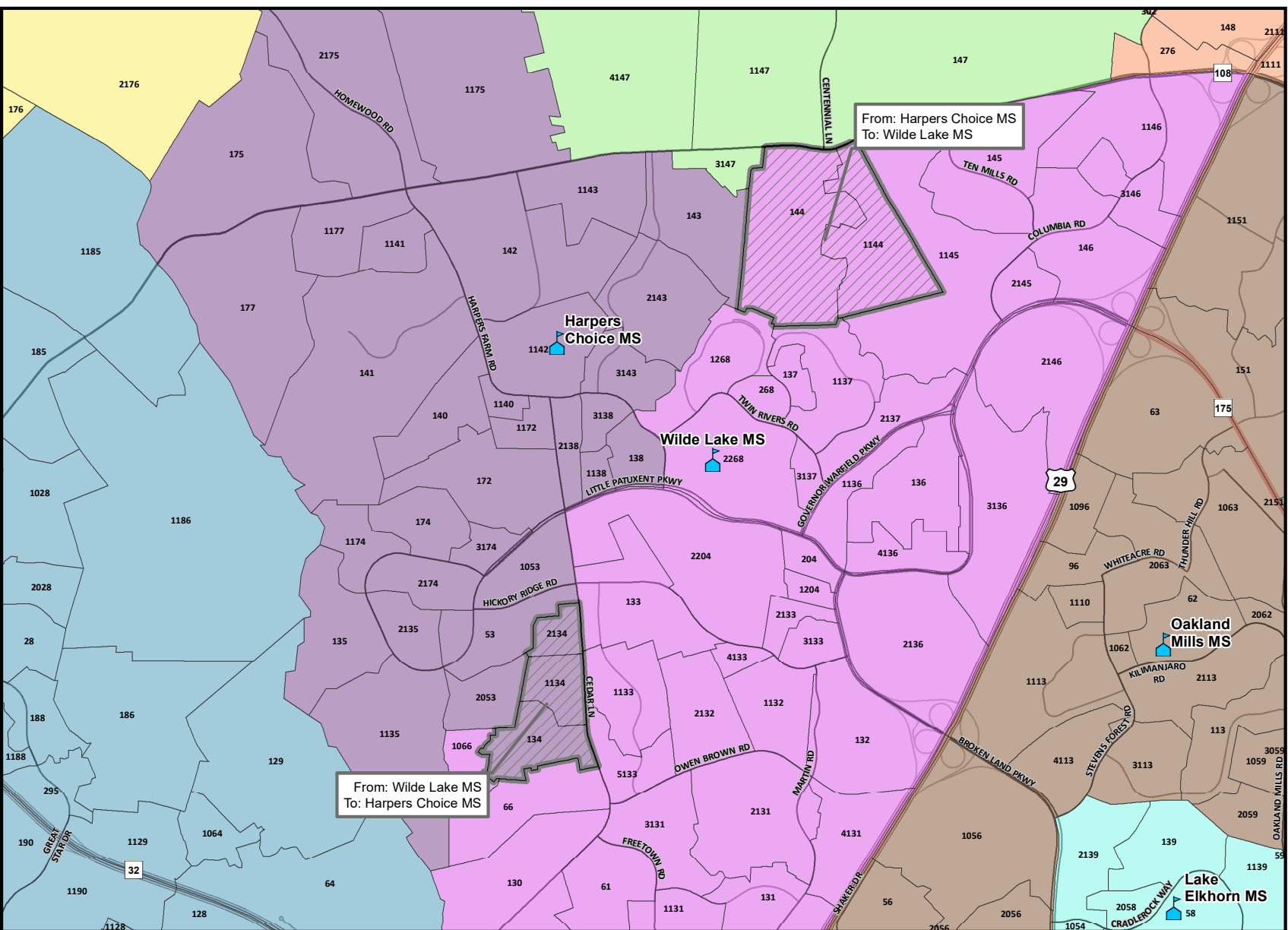
2019 Feasibility Study Boundary Review

Columbia ES Option #1 (Elementary Boundaries)

Showing proposed boundaries and areas reassigned for this option.



Columbia Option # 1 - Middle School Map



2019 Feasibility Study Boundary Review

Columbia ES Option #1 (Middle Boundaries)

Showing proposed boundaries and areas reassigned for this option.



NOT TO SCALE

Columbia Option # 1 - Elementary Post Measures

Post-Measures

Columbia Option 1

ELEMENTARY SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

School	Capacity				2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Atholton ES	424	424	424	424	461	108.7	457	107.8	449	105.9	442	104.2	444	104.7	444	104.7	443	104.5	442	104.2	441	104.0	441	104.0	442	104.2
Bellows Spring ES	726	726	726	726	767	105.6	808	111.3	826	113.8	843	116.1	867	119.4	889	122.5	885	121.9	880	121.2	884	121.8	876	120.7	853	117.5
Bollman Bridge ES	666	666	666	666	683	102.6	695	104.4	706	106.0	754	113.2	765	114.9	760	114.1	747	112.2	739	111.0	737	110.7	722	108.4	737	110.7
Bryant Woods ES	361	361	361	361	317	87.8	327	90.6	334	92.5	335	92.8	344	95.3	348	96.4	352	97.5	358	99.2	364	100.8	372	103.0	375	103.9
Bushy Park ES	725	725	725	725	597	82.3	563	77.7	565	77.9	544	75.0	530	73.1	521	71.9	536	73.9	534	73.7	567	78.2	589	81.2	583	80.4
Centennial Lane ES	647	647	647	647	715	110.5	718	111.0	736	113.8	727	112.4	741	114.5	757	117.0	768	118.7	788	121.8	788	121.8	801	123.8	803	124.1
Clarksville ES	543	543	543	543	381	70.2	388	71.5	377	69.4	367	67.6	364	67.0	379	69.8	380	70.0	379	69.8	399	73.5	400	73.7	406	74.8
Clemens Crossing ES	521	521	521	521	510	97.9	551	105.8	551	105.8	564	108.3	577	110.7	591	113.4	614	117.9	622	119.4	644	123.6	663	127.3	675	129.6
Cradlerock ES	398	398	398	398	460	115.6	475	119.3	470	118.1	473	118.8	473	118.8	473	118.8	474	119.1	472	118.6	472	118.6	476	119.6	475	119.3
Dayton Oaks ES	700	700	700	700	667	95.3	708	101.1	717	102.4	752	107.4	789	112.7	807	115.3	818	116.9	815	116.4	837	119.6	854	122.0	875	125.0
Deep Run ES	750	750	750	750	682	90.9	713	95.1	731	97.5	752	100.3	786	104.8	806	107.5	820	109.3	843	112.4	866	115.5	892	118.9	905	120.7
Ducketts Lane ES	650	650	650	650	569	87.5	580	89.2	589	90.6	603	92.8	600	92.3	602	92.6	614	94.5	614	94.5	609	93.7	607	93.4	604	92.9
Elkridge ES	760	760	760	760	893	117.5	908	119.5	909	119.6	906	119.2	926	121.8	965	127.0	986	129.7	1057	139.1	1116	146.8	1144	150.5	1137	149.6
Forest Ridge ES	713	713	713	713	678	95.1	692	97.1	694	97.3	713	100.0	740	103.8	796	111.6	844	118.4	883	123.8	919	128.9	942	132.1	956	134.1
Fulton ES	826	826	826	826	1009	122.2	1041	126.0	1038	125.7	1072	129.8	1070	129.5	1067	129.2	1048	126.9	1019	123.4	1025	124.1	1006	121.8	1008	122.0
Gorman Crossing ES	735	735	735	735	826	112.4	860	117.0	878	119.5	869	118.2	861	117.1	852	115.9	863	117.4	871	118.5	865	117.7	850	115.6	856	116.5
Guilford ES	465	465	465	465	367	78.9	360	77.4	346	74.4	351	75.5	364	78.3	398	85.6	407	87.5	417	89.7	430	92.5	436	93.8	433	93.1
Hammond ES	653	653	653	653	618	94.6	614	94.0	626	95.9	658	100.8	696	106.6	728	111.5	752	115.2	802	122.8	827	126.6	853	130.6	866	132.6
Hanover Hills ES	810	810	810	810	723	89.3	705	87.0	713	88.0	706	87.2	697	86.0	697	86.0	694	85.7	729	90.0	752	92.8	747	92.2	737	91.0
Hollifield Station ES	732	732	732	732	923	126.1	906	123.8	884	120.8	862	117.8	870	118.9	868	118.6	869	118.7	864	118.0	862	117.8	858	117.2	868	118.6
Ilchester ES	584	584	584	584	598	102.4	582	99.7	608	104.1	625	107.0	641	109.8	704	120.5	725	124.1	753	128.9	780	133.6	805	137.8	815	139.6
Jeffers Hill ES	421	421	421	421	413	98.1	408	96.9	387	91.9	395	93.8	389	92.4	390	92.6	399	94.8	407	96.7	416	98.8	426	101.2	431	102.4
Laurel Woods ES	609	609	609	609	556	91.3	563	92.4	561	92.1	546	89.7	550	90.3	546	89.7	555	91.1	554	91.0	555	91.1	556	91.3	580	95.2
Lisbon ES	527	527	527	527	484	91.8	505	95.8	510	96.8	519	98.5	523	99.2	517	98.1	533	101.1	562	106.6	590	112.0	594	112.7	597	113.3
Longfellow ES	512	512	512	512	459	89.6	474	92.6	490	95.7	493	96.3	495	96.7	511	99.8	520	101.6	529	103.3	541	105.7	551	107.6	558	109.0
Manor Woods ES	681	681	681	681	624	91.6	630	92.5	611	89.7	638	93.7	607	89.1	597	87.7	613	90.0	607	89.1	615	90.3	621	91.2	624	91.6
New ES #43	NS	0	0	0																						
New ES #44	NS	0	0	0																						
New ES #45	NS	0	0	0																						
Northfield ES	700	700	700	700	759	108.4	776	110.9	772	110.3	796	113.7	824	117.7	842	120.3	876	125.1	899	128.4	939	134.1	960	137.1	962	137.4
Phelps Luck ES	597	597	597	597	566	94.8	583	97.7	583	97.7	596	99.8	584	97.8	594	99.5	593	99.3	591	99.0	613	102.7	623	104.4	630	105.5
Pointers Run ES	744	744	744	744	925	124.3	974	130.9	1018	136.8	1058	142.2	1060	142.5	1056	141.9	1035	139.1	1010	135.8	973	130.8	940	126.3	909	122.2
Rockburn ES	584	584	584	584	593	101.5	611	104.6	611	104.6	627	107.4	638	109.2	654	112.0	676	115.8	677	115.9	678	116.1	673	115.2	663	113.5
Running Brook ES	515	515	515	515	468	90.9	471	91.5	500	97.1	551	107.0	583	113.2	610	118.4	644	125.0	673	130.7	712	138.3	724	140.6	749	145.4
St Johns Lane ES	612	612	612	612	726	118.6	735	120.1	750	122.5	768	125.5	787	128.6	805	131.5	806	131.7	804	131.4	795	129.9	788	128.8	785	128.3
Stevens Forest ES	380	380	380	380	414	108.9	420	110.5	427	112.4	440	115.8	435	114.5	434	114.2	435	114.5	439	115.5	439	115.5	438	115.3	439	115.5
Swansfield ES	A 694	694	694	694	698	100.6	698	100.6	695	100.1	699	100.7	702	101.2	710	102.3	718	103.5	731	105.3	754	108.6	768	110.7	779	112.2
Talbot Springs ES	377	377	540	540	465	123.3	442	117.2	426	78.9	406	75.2	409	75.7	422	78.1	425	78.7	439	81.3	458	84.8	477	88.3	487	90.2
Thunder Hill ES	509	509	509	509	508	99.8	487	95.7	485	95.3	467	91.7	466	91.6	468	91.9	467	91.7	489	96.1	499	98.0	511	100.4	516	101.4
Triadelphia Ridge ES	606	606	606	606	542	89.4	541	89.3	551	90.9	554	91.4	552	91.1	566	93.4	565	93.2	562	92.7	558	92.1	542	89.4	529	87.3
Veterans ES	799	799	799	799	822	102.9	808	101.1	799	100.0	794	99.4	801	100.3	800	100.1	830	103.9	867	108.5	867	108.5	868	108.6	864	108.1
Waterloo ES	603	603	603	603	548	90.9	525	87.1	521	86.4	486	80.6	508	84.2	519	86.1	526	87.2	531	88.1	557	92.4	569	94.4	573	95.0
Waverly ES	A 788	788	788	788	886	112.4	890	112.9	894	113.5	899	114.1	918	116.5	912	115.7	898	114.0	906	115.0	907	115.1	898	114.0	882	111.9
West Friendship ES	414	414	414	414	426	102.9	450	108.7	462	111.6	487	117.6	532	128.5	561	135.5	571	137.9	581	140.3	601	145.2	613	148.1	617	149.0
Worthington ES	515	515	515	515	458	88.9	457	88.7	459	89.1	469	91.1	492	95.5	515	100.0	531	103.1	607	117.9	660	128.2	661	128.3	641	124.5
Countywide Totals	25576	25576	25739	25739	25784	100.8	26099	102.0	26259	102.0	26606	103.4	27000	102.5	27481	104.3	27855	103.4	28346	105.2	28911	107.3	29135	108.2	29224	106.5

'A' includes additions as proposed for FY 2021 CIP for grades K-5

'NS' New School proposed for FY 2021 Capital Budget

'R' Replacement School proposed for FY 2021 Capital Budget

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

Columbia Option # 1 - Middle Post Measures

Post-Measures

Columbia Option 1

MIDDLE SCHOOLS - Data for Demonstrative Purposes Only
 Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

School	Capacity				2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Bonnie Branch MS	701	701	701	701	691	98.6	654	93.3	656	93.6	651	92.9	693	98.9	706	100.7	740	105.6	712	101.6	724	103.3	717	102.3	749	106.8
Burleigh Manor MS	779	779	779	779	806	103.5	804	103.2	806	103.5	778	99.9	784	100.6	793	101.8	798	102.4	785	100.8	778	99.9	777	99.7	788	101.2
Clarksville MS	643	643	643	643	704	109.5	697	108.4	673	104.7	674	104.8	701	109.0	705	109.6	714	111.0	715	111.2	721	112.1	723	112.4	722	112.3
Dunloggin MS	A 565	565	565	565	652	115.4	658	116.5	673	119.1	671	118.8	676	102.1	673	101.7	689	104.1	692	104.5	681	102.9	677	102.3	691	104.4
Elkridge Landing MS	779	779	779	779	747	95.9	768	98.6	820	105.3	857	110.0	867	111.3	859	110.3	882	113.2	892	114.5	904	116.0	907	116.4	941	120.8
Ellicott Mills MS	701	701	701	701	910	129.8	912	130.1	884	126.1	893	127.4	878	125.2	866	123.5	861	122.8	860	122.7	863	123.1	860	122.7	913	130.2
Folly Quarter MS	662	662	662	662	674	101.8	677	102.3	664	100.3	660	99.7	649	98.0	668	100.9	679	102.6	700	105.7	692	104.5	701	105.9	710	107.3
Glenwood MS	545	545	545	545	532	97.6	527	96.7	504	92.5	502	92.1	499	91.6	521	95.6	539	98.9	553	101.5	549	100.7	553	101.5	557	102.2
Hammond MS	604	604	604	604	702	116.2	724	119.9	746	123.5	737	122.0	762	126.2	768	127.2	801	132.6	809	133.9	829	137.3	836	138.4	864	143.0
Harpers Choice MS	506	506	506	506	511	101.0	507	100.2	481	95.1	464	91.7	478	94.5	488	96.4	504	99.6	499	98.6	501	99.0	494	97.6	505	99.8
Lake Elkhorn MS	643	643	643	643	555	86.3	503	78.2	503	78.2	486	75.6	501	77.9	481	74.8	489	76.0	479	74.5	476	74.0	473	73.6	482	75.0
Lime Kiln MS	721	721	721	721	676	93.8	675	93.6	718	99.6	737	102.2	743	103.1	751	104.2	774	107.4	817	113.3	803	111.4	825	114.4	809	112.2
Mayfield Woods MS	798	798	798	798	842	105.5	839	105.1	833	104.4	822	103.0	850	106.5	868	108.8	915	114.7	935	117.2	936	117.3	923	115.7	946	118.5
Mount View MS	798	798	798	798	842	105.5	895	112.2	911	114.2	911	114.2	940	117.8	944	118.3	968	121.3	972	121.8	968	121.3	970	121.6	971	121.7
Murray Hill MS	662	662	662	662	799	120.7	785	118.6	775	117.1	808	122.1	847	127.9	859	129.8	829	125.2	836	126.3	832	125.7	843	127.3	843	127.3
Oakland Mills MS	A 506	506	506	506	500	98.8	498	98.4	510	100.8	519	102.6	516	102.0	509	100.6	510	77.0	491	74.2	494	74.6	488	73.7	507	76.6
Patapsco MS	A 643	643	643	643	775	120.5	834	129.7	865	134.5	879	136.7	885	137.6	889	138.3	900	140.0	903	140.4	902	113.0	895	112.2	892	111.8
Patuxent Valley MS	760	760	760	760	715	94.1	687	90.4	695	91.4	673	88.6	682	89.7	679	89.3	714	93.9	723	95.1	723	95.1	738	97.1	766	100.8
Thomas Viaduct MS	701	701	701	701	748	106.7	781	111.4	763	108.8	781	111.4	773	110.3	778	111.0	769	109.7	783	111.7	806	115.0	832	118.7	843	120.3
Wilde Lake MS	721	721	721	721	634	87.9	647	89.7	671	93.1	679	94.2	705	97.8	741	102.8	770	106.8	810	112.3	808	112.1	842	116.8	865	120.0
Countywide Totals	13438	13438	13438	13438	14015	104.3	14072	104.7	14151	105.3	14182	105.5	14429	106.6	14546	107.5	14845	108.4	14966	109.3	14990	108.3	15074	108.9	15364	111.0

'A' includes additions as proposed for FY 2021 CIP for grades 6-8

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

Columbia Option # 1 - Elementary and Middle Assessments

Elementary School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	4	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	0	
	Mean	4.2	4.8	
Proximity to school	# of Schools Strengthened	NA	3	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	1	
	Mean	5789	5769	
(smaller # = closer set of polygons)			NEGLIGIBLE	
Small MS from ES Feeds (under 15%)				Feed information in middle and high school sections.
Double Small Feed	# of Double Small Feeds	1	1	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			NEGLIGIBLE	
Non-contiguous Attendance Areas	Number of "Islands"	5	5	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			NEGLIGIBLE	
Students moved within 5 yrs of last ES move	Number	NA	0	
	% of Enrollment	NA	0.0%	
			0	
Students Moved	Number moved in	NA	285	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	Number moved out	NA	285	

Strength

Negligible

Weakness

Middle School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	1	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	0	
	Mean	6.7	6.7	
Proximity to school	# of Schools Strengthened	NA	1	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	1	
	Mean	8322	8327	
(smaller # = closer set of polygons)			NEGLIGIBLE	
Small MS from ES Feeds (under 15%)	# of Small Feeds	17	18	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
Double Small Feed	# of Double Small Feeds	1	1	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			NEGLIGIBLE	
Non-contiguous Attendance Areas	Number of "Islands"	0	0	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
			NEGLIGIBLE	
Students moved within 5 yrs of last ES move	Number	NA	0	
	% of Enrollment	NA	0.0%	
			0	
Students Moved	Number moved in	NA	51	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	Number moved out	NA	51	

Strength

Negligible

Weakness

Columbia Option # 1 - Middle School Feed Report

Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed	Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Bonnie Branch MS	Ilchester ES	47.7%	Ilchester ES	47.7%	Lake Elkhorn MS	Cradlerock ES	41.1%	Cradlerock ES	41.1%
	Jeffers Hill ES	2.1%	Jeffers Hill ES	2.1%		Guilford ES	26.5%	Guilford ES	26.5%
	Phelps Luck ES	45.9%	Phelps Luck ES	45.9%		Jeffers Hill ES	24.1%	Jeffers Hill ES	24.1%
	Rockburn ES	4.3%	Rockburn ES	4.3%		Talbot Springs ES	8.3%	Talbot Springs ES	8.3%
	Waterloo ES	0.0%	Waterloo ES	0.0%					
Burleigh Manor MS	Centennial Lane ES	56.3%	Centennial Lane ES	56.3%	Lime Kiln MS	Dayton Oaks ES	27.8%	Dayton Oaks ES	27.8%
	Manor Woods ES	27.1%	Manor Woods ES	27.1%		Fulton ES	58.6%	Fulton ES	58.6%
	Northfield ES	15.4%	Northfield ES	15.4%		Pointers Run ES	13.5%	Pointers Run ES	13.5%
	Triadelphia Ridge ES	1.1%	Triadelphia Ridge ES	1.1%					
Clarksville MS	Clarksville ES	46.2%	Clarksville ES	46.2%	Mayfield Woods MS	Bellows Spring ES	29.5%	Bellows Spring ES	29.5%
	Pointers Run ES	53.8%	Pointers Run ES	53.8%		Deep Run ES	42.4%	Deep Run ES	42.4%
						Jeffers Hill ES	10.0%	Jeffers Hill ES	10.0%
						Waterloo ES	18.1%	Waterloo ES	18.1%
Dunloggin MS	Hollifield Station ES	6.7%	Hollifield Station ES	6.7%	Mount View MS	Manor Woods ES	22.3%	Manor Woods ES	22.3%
	Northfield ES	44.7%	Northfield ES	44.7%		Waverly ES	46.8%	Waverly ES	46.8%
	St Johns Lane ES	11.6%	St Johns Lane ES	11.6%		West Friendship ES	30.9%	West Friendship ES	30.9%
	Thunder Hill ES	5.2%	Thunder Hill ES	5.2%					
	Veterans ES	31.8%	Veterans ES	31.8%					
Elkridge Landing MS	Elkridge ES	65.8%	Elkridge ES	65.8%	Murray Hill MS	Gorman Crossing ES	54.4%	Gorman Crossing ES	54.4%
	Rockburn ES	34.2%	Rockburn ES	34.2%		Laurel Woods ES	45.6%	Laurel Woods ES	45.6%
Ellicott Mills MS	Thunder Hill ES	20.7%	Thunder Hill ES	20.7%	Oakland Mills MS	Atholton ES	9.2%	Atholton ES	9.2%
	Veterans ES	26.9%	Veterans ES	26.9%		Stevens Forest ES	41.0%	Stevens Forest ES	41.0%
	Waterloo ES	17.9%	Waterloo ES	17.9%		Talbot Springs ES	35.1%	Talbot Springs ES	35.1%
	Worthington ES	34.5%	Worthington ES	34.5%		Thunder Hill ES	14.6%	Thunder Hill ES	14.6%
Folly Quarter MS	Bushy Park ES	18.9%	Bushy Park ES	18.9%	Patapsco MS	Hollifield Station ES	48.1%	Hollifield Station ES	48.1%
	Clarksville ES	0.1%	Clarksville ES	0.1%		St Johns Lane ES	40.6%	St Johns Lane ES	40.6%
	Dayton Oaks ES	30.9%	Dayton Oaks ES	30.9%		Waverly ES	11.3%	Waverly ES	11.3%
	Triadelphia Ridge ES	50.1%	Triadelphia Ridge ES	50.1%					
Glenwood MS	Bushy Park ES	48.2%	Bushy Park ES	48.2%	Patuxent Valley MS	Bollman Bridge ES	49.3%	Bollman Bridge ES	49.3%
	Lisbon ES	51.8%	Lisbon ES	51.8%		Forest Ridge ES	50.7%	Forest Ridge ES	50.7%
Hammond MS	Atholton ES	25.8%	Atholton ES	25.8%	Thomas Viaduct MS	Bellows Spring ES	10.6%	Bellows Spring ES	10.6%
	Fulton ES	16.0%	Fulton ES	16.0%		Ducketts Lane ES	35.9%	Ducketts Lane ES	35.9%
	Guilford ES	0.0%	Guilford ES	0.0%		Guilford ES	9.0%	Guilford ES	9.0%
	Hammond ES	58.2%	Hammond ES	58.2%		Hanover Hills ES	44.5%	Hanover Hills ES	44.5%
Harpers Choice MS	Longfellow ES	39.9%	Longfellow ES	30.3%	Wide Lake MS	Bryant Woods ES	34.6%	Bryant Woods ES	25.2%
	Swansfield ES	60.1%	Swansfield ES	69.7%		Clemens Crossing ES	29.4%	Clemens Crossing ES	27.8%
						Running Brook ES	36.0%	Longfellow ES	9.6%
								Running Brook ES	37.4%

Columbia Option # 1 - High School Feed Report

High School	Before Feeding Schools	Feed	After Feeding Schools	Feed	High School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Atholton HS	Clarksville MS Hammond MS Murray Hill MS Wilde Lake MS	34.0% 13.0% 21.1% 31.9%	Clarksville MS Hammond MS Murray Hill MS Wilde Lake MS	34.0% 13.0% 21.1% 31.9%	Marriotts Ridge HS	Burleigh Manor MS Mount View MS	18.2% 81.8%	Burleigh Manor MS Mount View MS	18.2% 81.8%
Centennial HS	Burleigh Manor MS Dunloggin MS Ellicott Mills MS	51.3% 23.4% 25.3%	Burleigh Manor MS Dunloggin MS Ellicott Mills MS	51.3% 23.4% 25.3%	Mt Hebron HS	Dunloggin MS Ellicott Mills MS Patapsco MS	17.2% 21.6% 61.2%	Dunloggin MS Ellicott Mills MS Patapsco MS	17.2% 21.6% 61.2%
Glenelg HS	Folly Quarter MS Glenwood MS	38.6% 61.4%	Folly Quarter MS Glenwood MS	38.6% 61.4%	Oakland Mills HS	Lake Elkhorn MS Oakland Mills MS	46.7% 53.3%	Lake Elkhorn MS Oakland Mills MS	46.7% 53.3%
Hammond HS	Hammond MS Lake Elkhorn MS Patuxent Valley MS Thomas Viaduct MS	26.6% 11.9% 44.8% 16.7%	Hammond MS Lake Elkhorn MS Patuxent Valley MS Thomas Viaduct MS	26.6% 11.9% 44.8% 16.7%	Reservoir HS	Hammond MS Lime Kiln MS Murray Hill MS Patuxent Valley MS	11.5% 33.0% 41.9% 13.7%	Hammond MS Lime Kiln MS Murray Hill MS Patuxent Valley MS	11.5% 33.0% 41.9% 13.7%
Howard HS	Bonnie Branch MS Elkridge Landing MS Ellicott Mills MS Mayfield Woods MS	35.2% 45.7% 18.7% 0.4%	Bonnie Branch MS Elkridge Landing MS Ellicott Mills MS Mayfield Woods MS	35.2% 45.7% 18.7% 0.4%	River Hill HS	Clarksville MS Folly Quarter MS Lime Kiln MS	46.0% 32.9% 21.1%	Clarksville MS Folly Quarter MS Lime Kiln MS	46.0% 32.9% 21.1%
Long Reach HS	Bonnie Branch MS Elkridge Landing MS Mayfield Woods MS Thomas Viaduct MS	11.3% 9.0% 49.7% 30.0%	Bonnie Branch MS Elkridge Landing MS Mayfield Woods MS Thomas Viaduct MS	11.3% 9.0% 49.7% 30.0%	Wilde Lake HS	Dunloggin MS Harpers Choice MS Wilde Lake MS	11.0% 51.1% 37.9%	Dunloggin MS Harpers Choice MS Wilde Lake MS	11.0% 52.6% 36.4%

Columbia Option # 1 - Elementary Race Report

Elementary School	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Atholton ES	<=5%	<=5%	8%	8%	21%	21%	<=5%	<=5%	10%	10%	9%	9%	52%	52%
Bellows Spring ES	<=5%	<=5%	30%	30%	25%	25%	<=5%	<=5%	11%	11%	6%	6%	27%	27%
Bollman Bridge ES	<=5%	<=5%	8%	8%	38%	38%	<=5%	<=5%	23%	23%	6%	6%	23%	23%
Bryant Woods ES	<=5%	<=5%	<=5%	<=5%	55%	54%	<=5%	<=5%	12%	11%	9%	10%	20%	21%
Bushy Park ES	<=5%	<=5%	14%	14%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	72%	72%
Centennial Lane ES	<=5%	<=5%	50%	50%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	7%	7%	33%	33%
Clarksville ES	<=5%	<=5%	56%	56%	8%	8%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	27%	27%
Clemens Crossing ES	<=5%	<=5%	15%	15%	17%	17%	<=5%	<=5%	9%	11%	11%	9%	48%	48%
Cradlerock ES	<=5%	<=5%	7%	7%	48%	48%	<=5%	<=5%	16%	16%	8%	8%	21%	21%
Dayton Oaks ES	<=5%	<=5%	20%	20%	10%	10%	<=5%	<=5%	<=5%	<=5%	6%	6%	59%	59%
Deep Run ES	<=5%	<=5%	14%	14%	15%	15%	<=5%	<=5%	40%	40%	<=5%	<=5%	24%	24%
Ducketts Lane ES	<=5%	<=5%	13%	13%	39%	39%	<=5%	<=5%	21%	21%	<=5%	<=5%	22%	22%
Elkridge ES	<=5%	<=5%	18%	18%	27%	27%	<=5%	<=5%	8%	8%	7%	7%	40%	40%
Forest Ridge ES	<=5%	<=5%	23%	23%	35%	35%	<=5%	<=5%	14%	14%	7%	7%	21%	21%
Fulton ES	<=5%	<=5%	31%	31%	14%	14%	<=5%	<=5%	<=5%	<=5%	10%	10%	41%	41%
Gorman Crossing ES	<=5%	<=5%	29%	29%	33%	33%	<=5%	<=5%	11%	11%	7%	7%	20%	20%
Guilford ES	<=5%	<=5%	16%	16%	47%	47%	<=5%	<=5%	12%	12%	7%	7%	19%	19%
Hammond ES	<=5%	<=5%	13%	13%	29%	29%	<=5%	<=5%	12%	12%	8%	8%	37%	37%
Hanover Hills ES	<=5%	<=5%	25%	25%	38%	38%	<=5%	<=5%	15%	15%	<=5%	<=5%	16%	16%
Hollifield Station ES	<=5%	<=5%	45%	45%	15%	15%	<=5%	<=5%	12%	12%	<=5%	<=5%	25%	25%
Ilchester ES	<=5%	<=5%	27%	27%	6%	6%	<=5%	<=5%	<=5%	<=5%	6%	6%	58%	58%
Jeffers Hill ES	<=5%	<=5%	12%	12%	38%	38%	<=5%	<=5%	20%	20%	9%	9%	20%	20%
Laurel Woods ES	<=5%	<=5%	11%	11%	52%	52%	<=5%	<=5%	25%	25%	6%	6%	7%	7%
Lisbon ES	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	8%	8%	7%	7%	79%	79%
Longfellow ES	<=5%	<=5%	10%	10%	33%	35%	<=5%	<=5%	23%	18%	11%	11%	23%	24%
Manor Woods ES	<=5%	<=5%	47%	47%	9%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	35%	35%
Northfield ES	<=5%	<=5%	27%	27%	9%	9%	<=5%	<=5%	6%	6%	9%	9%	48%	48%
Phelps Luck ES	<=5%	<=5%	6%	6%	38%	38%	<=5%	<=5%	30%	30%	9%	9%	17%	17%
Pointers Run ES	<=5%	<=5%	33%	33%	9%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	49%	49%
Rockburn ES	<=5%	<=5%	19%	19%	13%	13%	<=5%	<=5%	<=5%	<=5%	7%	7%	55%	55%
Running Brook ES	<=5%	<=5%	<=5%	<=5%	57%	57%	<=5%	<=5%	12%	12%	8%	8%	18%	18%
St Johns Lane ES	<=5%	<=5%	35%	35%	13%	13%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	43%	43%
Stevens Forest ES	<=5%	<=5%	6%	6%	40%	40%	<=5%	<=5%	29%	29%	10%	10%	14%	14%
Swansfield ES	<=5%	<=5%	<=5%	<=5%	55%	52%	<=5%	<=5%	18%	19%	7%	8%	15%	16%
Talbott Springs ES	<=5%	<=5%	<=5%	<=5%	40%	40%	<=5%	<=5%	25%	25%	7%	7%	24%	24%
Thunder Hill ES	<=5%	<=5%	19%	19%	27%	27%	<=5%	<=5%	8%	8%	9%	9%	37%	37%
Triadelphia Ridge ES	<=5%	<=5%	29%	29%	8%	8%	<=5%	<=5%	7%	7%	9%	9%	47%	47%
Veterans ES	<=5%	<=5%	52%	52%	14%	14%	<=5%	<=5%	7%	7%	<=5%	<=5%	25%	25%
Waterloo ES	<=5%	<=5%	23%	23%	29%	29%	<=5%	<=5%	<=5%	<=5%	7%	7%	36%	36%
Waverly ES	<=5%	<=5%	49%	49%	7%	7%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	37%	37%
West Friendship ES	<=5%	<=5%	22%	22%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	6%	65%	65%
Worthington ES	<=5%	<=5%	39%	39%	7%	7%	<=5%	<=5%	<=5%	<=5%	6%	6%	44%	44%
Countywide Average	<=5%		22%		25%		<=5%		12%		7%		34%	

See page 35 for information about the data used in this report.

Columbia Option # 1 - Middle Race Report

	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
Middle School	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Bonnie Branch MS	<=5%	<=5%	16%	16%	26%	26%	<=5%	<=5%	15%	15%	7%	7%	35%	35%
Burleigh Manor MS	<=5%	<=5%	48%	48%	12%	12%	<=5%	<=5%	<=5%	<=5%	6%	6%	29%	29%
Clarksville MS	<=5%	<=5%	40%	40%	6%	6%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	45%	45%
Dunloggin MS	<=5%	<=5%	33%	33%	16%	16%	<=5%	<=5%	8%	8%	<=5%	<=5%	39%	39%
Elkridge Landing MS	<=5%	<=5%	17%	17%	23%	23%	<=5%	<=5%	8%	8%	6%	6%	46%	46%
Ellicott Mills MS	<=5%	<=5%	32%	32%	14%	14%	<=5%	<=5%	6%	6%	<=5%	<=5%	43%	43%
Folly Quarter MS	<=5%	<=5%	27%	27%	6%	6%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	57%	57%
Glenwood MS	<=5%	<=5%	8%	8%	6%	6%	<=5%	<=5%	7%	7%	<=5%	<=5%	75%	75%
Hammond MS	<=5%	<=5%	12%	12%	26%	26%	<=5%	<=5%	8%	8%	8%	8%	45%	45%
Harpers Choice MS	<=5%	<=5%	8%	9%	50%	50%	<=5%	<=5%	16%	15%	8%	8%	18%	17%
Lake Elkhorn MS	<=5%	<=5%	10%	10%	51%	51%	<=5%	<=5%	18%	18%	7%	7%	14%	14%
Lime Kiln MS	<=5%	<=5%	28%	28%	12%	12%	<=5%	<=5%	<=5%	<=5%	6%	6%	50%	50%
Mayfield Woods MS	<=5%	<=5%	13%	13%	29%	29%	<=5%	<=5%	25%	25%	<=5%	<=5%	28%	28%
Mount View MS	<=5%	<=5%	36%	36%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	6%	49%	49%
Murray Hill MS	<=5%	<=5%	17%	17%	45%	45%	<=5%	<=5%	21%	21%	<=5%	<=5%	13%	13%
Oakland Mills MS	<=5%	<=5%	<=5%	<=5%	37%	37%	<=5%	<=5%	21%	21%	10%	10%	27%	27%
Patapsco MS	<=5%	<=5%	33%	33%	11%	11%	<=5%	<=5%	9%	9%	<=5%	<=5%	43%	43%
Patuxent Valley MS	<=5%	<=5%	17%	17%	38%	38%	<=5%	<=5%	18%	18%	6%	6%	21%	21%
Thomas Viaduct MS	<=5%	<=5%	14%	14%	45%	45%	<=5%	<=5%	18%	18%	<=5%	<=5%	18%	18%
Wilde Lake MS	<=5%	<=5%	8%	7%	47%	46%	<=5%	<=5%	11%	12%	9%	8%	25%	26%
Countywide Average	<=5%		21%		25%		<=5%		12%		6%		36%	

See page 35 for information about the data used in this report.

Columbia Option # 1 - Elementary and Middle ESOL Report

School	% ESOL Participation	
	Base	Proposed
Atholton ES	<=5%	<=5%
Bellows Spring ES	9%	9%
Bollman Bridge ES	14%	14%
Bryant Woods ES	<=5%	<=5%
Bushy Park ES	<=5%	<=5%
Centennial Lane ES	6%	6%
Clarksville ES	6%	6%
Clemens Crossing ES	<=5%	<=5%
Cradlerock ES	8%	8%
Dayton Oaks ES	<=5%	<=5%
Deep Run ES	23%	23%
Ducketts Lane ES	16%	16%
Elkridge ES	6%	6%
Forest Ridge ES	9%	9%
Fulton ES	6%	6%
Gorman Crossing ES	7%	7%
Guilford ES	7%	7%
Hammond ES	6%	6%
Hanover Hills ES	11%	11%
Hollifield Station ES	13%	13%
Ilchester ES	<=5%	<=5%
Jeffers Hill ES	9%	9%
Laurel Woods ES	13%	13%
Lisbon ES	<=5%	<=5%
Longfellow ES	<=5%	<=5%
Manor Woods ES	8%	8%
Northfield ES	<=5%	<=5%
Phelps Luck ES	17%	17%
Pointers Run ES	<=5%	<=5%
Rockburn ES	<=5%	<=5%
Running Brook ES	6%	6%
St Johns Lane ES	<=5%	<=5%
Stevens Forest ES	20%	20%
Swansfield ES	8%	8%
Talbott Springs ES	12%	12%
Thunder Hill ES	6%	6%
Triadelphia Ridge ES	<=5%	<=5%
Veterans ES	10%	10%
Waterloo ES	8%	8%
Waverly ES	<=5%	<=5%
West Friendship ES	<=5%	<=5%
Worthington ES	<=5%	<=5%
Countywide Average	7%	

School	% ESOL Participation	
	Base	Proposed
Bonnie Branch MS	6%	6%
Burleigh Manor MS	<=5%	<=5%
Clarksville MS	<=5%	<=5%
Dunloggin MS	<=5%	<=5%
Elkridge Landing MS	<=5%	<=5%
Ellicott Mills MS	<=5%	<=5%
Folly Quarter MS	<=5%	<=5%
Glenwood MS	<=5%	<=5%
Hammond MS	<=5%	<=5%
Harpers Choice MS	<=5%	<=5%
Lake Elkhorn MS	<=5%	<=5%
Lime Kiln MS	<=5%	<=5%
Mayfield Woods MS	<=5%	<=5%
Mount View MS	<=5%	<=5%
Murray Hill MS	<=5%	<=5%
Oakland Mills MS	<=5%	<=5%
Patapsco MS	<=5%	<=5%
Patuxent Valley MS	<=5%	<=5%
Thomas Viaduct MS	6%	6%
Wilde Lake MS	<=5%	<=5%
Countywide Average	<=5%	

See page 35 for information about the data used in these reports.

Columbia Option # 1 - Elementary FARM and Test Percentages

FARM/Test Data		Columbia 1	
School Name	FARM	PARCC-Read	PARCC-Math
Atholton ES	15%	47%	58%
Bellows Spring ES	17%	63%	59%
Bollman Bridge ES	50%	29%	32%
Bryant Woods ES	52%	37%	47%
Bushy Park ES	<=5%	76%	74%
Centennial Lane ES	6%	75%	82%
Clarksville ES	<=5%	83%	89%
Clemens Crossing ES	12%	67%	65%
Cradlerock ES	55%	35%	26%
Dayton Oaks ES	<=5%	69%	77%
Deep Run ES	54%	37%	40%
Ducketts Lane ES	53%	41%	40%
Elkridge ES	32%	44%	47%
Forest Ridge ES	33%	53%	50%
Fulton ES	<=5%	70%	77%
Gorman Crossing ES	18%	53%	59%
Guilford ES	45%	38%	36%
Hammond ES	24%	52%	60%
Hanover Hills ES	37%	43%	47%
Hollifield Station ES	24%	54%	56%
Ilchester ES	<=5%	84%	77%
Jeffers Hill ES	35%	43%	35%
Laurel Woods ES	61%	37%	37%
Lisbon ES	12%	67%	57%
Longfellow ES	43%	50%	52%
Manor Woods ES	8%	68%	72%
Northfield ES	11%	62%	65%
Phelps Luck ES	63%	36%	35%
Pointers Run ES	<=5%	72%	82%
Rockburn ES	6%	65%	70%
Running Brook ES	52%	32%	34%
St Johns Lane ES	9%	63%	64%
Stevens Forest ES	65%	33%	30%
Swansfield ES	61%	31%	34%
Talbott Springs ES	49%	53%	46%
Thunder Hill ES	21%	62%	63%
Triadelphia Ridge ES	<=5%	71%	80%
Veterans ES	21%	55%	59%
Waterloo ES	24%	65%	66%
Waverly ES	<=5%	76%	79%
West Friendship ES	6%	70%	66%
Worthington ES	<=5%	68%	72%
System-wide total	25%	57%	59%

See page 35 for information about the data used in this report.

Columbia Option # 1 - Middle FARM and Test Percentages

FARM/Test Data		Columbia 1	
School Name	FARM	PARCC-Read	PARCC-Math
Bonnie Branch MS	32%	49%	49%
Burleigh Manor MS	11%	76%	74%
Clarksville MS	<=5%	84%	84%
Dunloggin MS	19%	63%	59%
Elkridge Landing MS	21%	57%	44%
Ellicott Mills MS	11%	65%	66%
Folly Quarter MS	<=5%	69%	76%
Glenwood MS	7%	63%	60%
Hammond MS	19%	62%	55%
Harpers Choice MS	49%	30%	29%
Lake Elkhorn MS	52%	35%	27%
Lime Kiln MS	<=5%	72%	70%
Mayfield Woods MS	43%	43%	37%
Mount View MS	<=5%	76%	77%
Murray Hill MS	38%	47%	41%
Oakland Mills MS	48%	38%	34%
Patapsco MS	16%	57%	64%
Patuxent Valley MS	37%	44%	37%
Thomas Viaduct MS	45%	38%	29%
Wilde Lake MS	48%	44%	34%
System-wide total	25%	57%	54%

See page 35 for information about the data used in this report.

Columbia Option # 2 - Summary and Polygon Moves

Columbia Option #2:

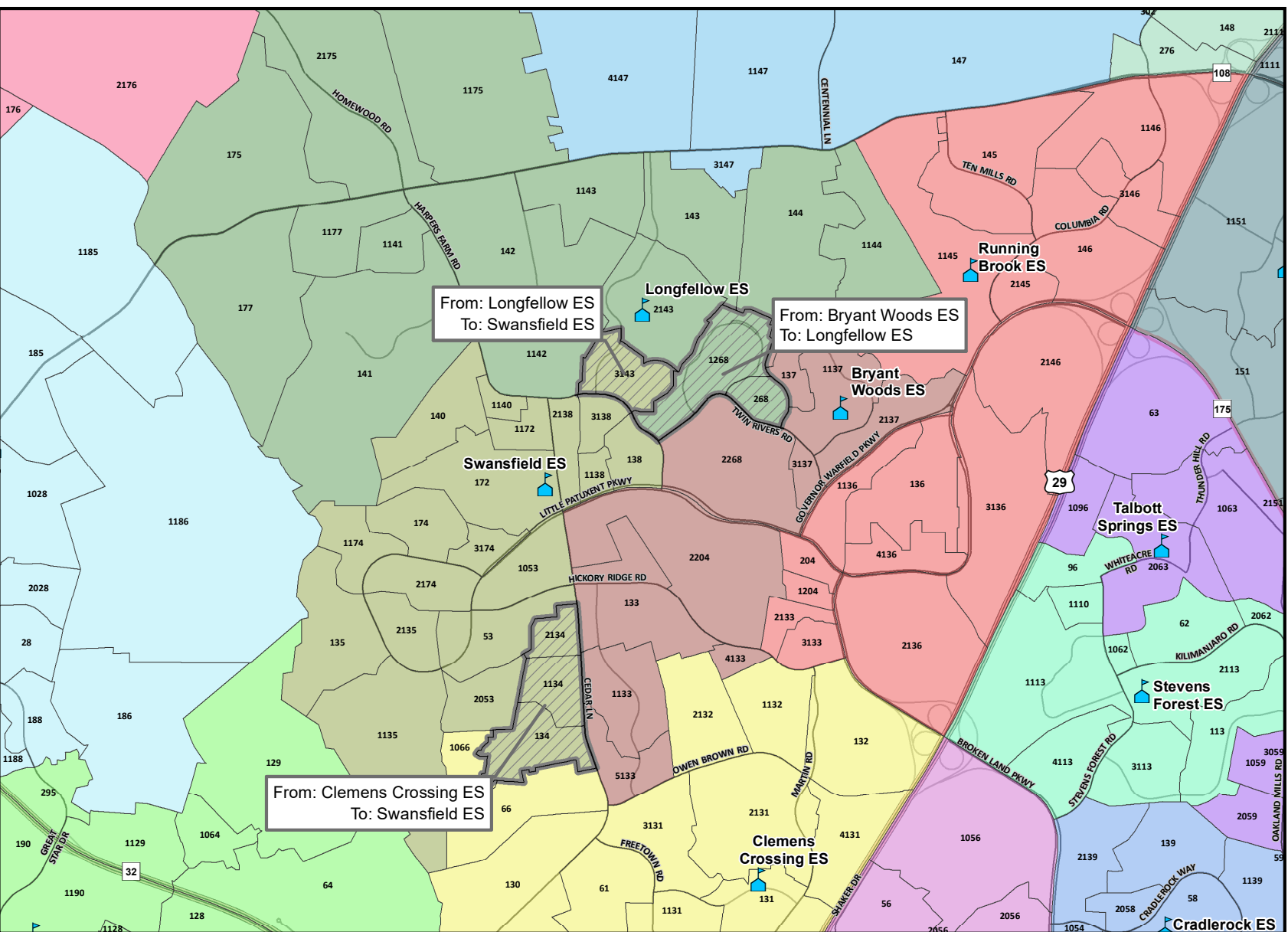
This option utilizes available capacity at Swansfield ES to relieve Bryant Woods ES using Longfellow ES as a pass through. Relief is also provided for Clemens Crossing ES. All impacted schools are within target utilization until SY 2026-2027.

Polygons 268, 1268 and 1142 are walkers to their current elementary assignments and can walk to their proposed assignments. Three of the four impacted schools get closer to the countywide average in Free and Reduced-Price Meals participation percentage. Middle school capacity exists to accommodate small feed reassignments but these adjustments may impact neighborhoods that were reassigned for SY 2018-2019.

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Bryant Woods ES	Longfellow ES	92	268, 1268
Clemens Crossing ES	Swansfield ES	80	134, 1134, 2134
Longfellow ES	Swansfield ES	92	3143
Total		264	

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Harpers Choice MS	Wilde Lake MS	62	53, 1053
Wilde Lake MS	Harpers Choice MS	42	268, 1268
Total		104	

Columbia Option # 2 - Elementary School Map



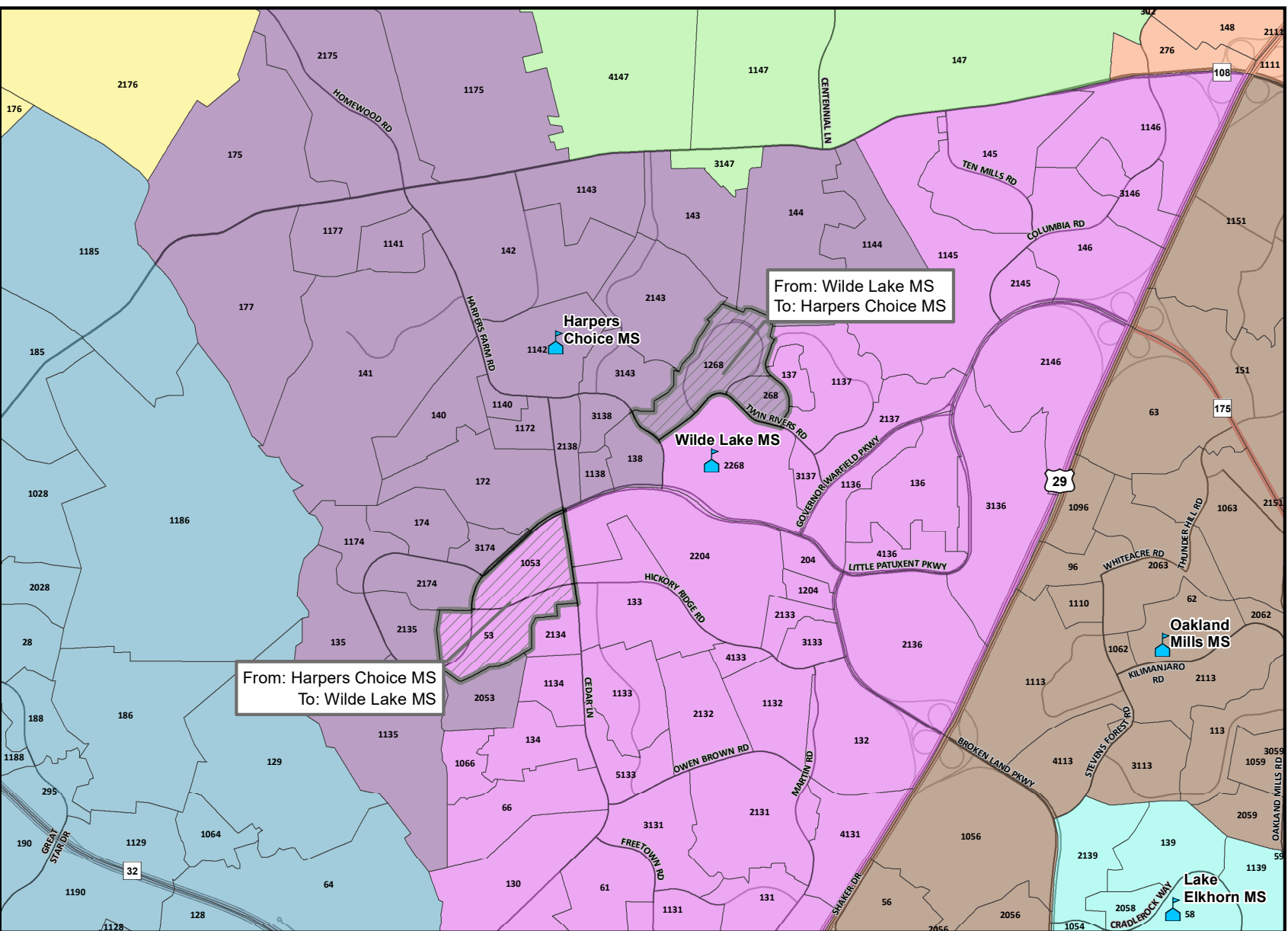
2019 Feasibility Study Boundary Review

Columbia ES Option #2 (Elementary Boundaries)

Showing proposed boundaries and areas reassigned for this option.



Columbia Option # 2 - Middle School Map



2019 Feasibility Study Boundary Review

Columbia ES Option #2 (Middle Boundaries)

Showing proposed boundaries and areas reassigned for this option.



Columbia Option # 2 - Elementary Post Measures

Post-Measures

Columbia Option 2

ELEMENTARY SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

School	Capacity				2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Atholton ES	424	424	424	424	461	108.7	457	107.8	449	105.9	442	104.2	444	104.7	444	104.7	443	104.5	442	104.2	441	104.0	441	104.0	442	104.2
Bellows Spring ES	726	726	726	726	767	105.6	808	111.3	826	113.8	843	116.1	867	119.4	889	122.5	885	121.9	880	121.2	884	121.8	876	120.7	853	117.5
Bollman Bridge ES	666	666	666	666	683	102.6	695	104.4	706	106.0	754	113.2	765	114.9	760	114.1	747	112.2	739	111.0	737	110.7	722	108.4	737	110.7
Bryant Woods ES	361	361	361	361	359	99.4	370	102.5	378	104.7	380	105.3	390	108.0	395	109.4	399	110.5	405	112.2	413	114.4	421	116.6	425	117.7
Bushy Park ES	725	725	725	725	597	82.3	563	77.7	565	77.9	544	75.0	530	73.1	521	71.9	536	73.9	534	73.7	567	78.2	589	81.2	583	80.4
Centennial Lane ES	647	647	647	647	715	110.5	718	111.0	736	113.8	727	112.4	741	114.5	757	117.0	768	118.7	788	121.8	788	121.8	801	123.8	803	124.1
Clarksville ES	543	543	543	543	381	70.2	388	71.5	377	69.4	367	67.6	364	67.0	379	69.8	380	70.0	379	69.8	399	73.5	400	73.7	406	74.8
Clemens Crossing ES	521	521	521	521	468	89.8	508	97.5	507	97.3	519	99.6	531	101.9	544	104.4	567	108.8	575	110.4	595	114.2	614	117.9	625	120.0
Cradlerock ES	398	398	398	398	460	115.6	475	119.3	470	118.1	473	118.8	473	118.8	474	119.1	472	118.6	472	118.6	476	119.6	476	119.6	475	119.3
Dayton Oaks ES	700	700	700	700	667	95.3	708	101.1	717	102.4	752	107.4	789	112.7	807	115.3	818	116.9	815	116.4	837	119.6	854	122.0	875	125.0
Deep Run ES	750	750	750	750	682	90.9	713	95.1	731	97.5	752	100.3	786	104.8	806	107.5	820	109.3	843	112.4	866	115.5	892	118.9	905	120.7
Ducketts Lane ES	650	650	650	650	569	87.5	580	89.2	589	90.6	603	92.8	600	92.3	602	92.6	614	94.5	614	94.5	609	93.7	607	93.4	604	92.9
Elkridge ES	760	760	760	760	893	117.5	908	119.5	909	119.6	906	119.2	926	121.8	965	127.0	986	129.7	1057	139.1	1116	146.8	1144	150.5	1137	149.6
Forest Ridge ES	713	713	713	713	678	95.1	692	97.1	694	97.3	713	100.0	740	103.8	796	111.6	844	118.4	883	123.8	919	128.9	942	132.1	956	134.1
Fulton ES	826	826	826	826	1009	122.2	1041	126.0	1038	125.7	1072	129.8	1070	129.5	1067	129.2	1048	126.9	1019	123.4	1025	124.1	1006	121.8	1008	122.0
Gorman Crossing ES	735	735	735	735	826	112.4	860	117.0	878	119.5	869	118.2	861	117.1	852	115.9	863	117.4	871	118.5	865	117.7	850	115.6	856	116.5
Guilford ES	465	465	465	465	367	78.9	360	77.4	346	74.4	351	75.5	364	78.3	398	85.6	407	87.5	417	89.7	430	92.5	436	93.8	433	93.1
Hammond ES	653	653	653	653	618	94.6	614	94.0	626	95.9	658	100.8	696	106.6	728	111.5	752	115.2	802	122.8	827	126.6	853	130.6	866	132.6
Harbor Hills ES	810	810	810	810	723	89.3	705	87.0	713	88.0	706	87.2	697	86.0	697	86.0	694	85.7	729	90.0	752	92.8	747	92.2	737	91.0
Hollifield Station ES	732	732	732	732	923	126.1	906	123.8	884	120.8	862	117.8	870	118.9	868	118.6	869	118.7	864	118.0	862	117.8	858	117.2	868	118.6
Ilchester ES	584	584	584	584	598	102.4	582	99.7	608	104.1	625	107.0	641	109.8	704	120.5	725	124.1	753	128.9	780	133.6	805	137.8	815	139.6
Jeffers Hill ES	421	421	421	421	413	98.1	408	96.9	387	91.9	395	93.8	389	92.4	390	92.6	399	94.8	407	96.7	416	98.8	426	101.2	431	102.4
Laurel Woods ES	609	609	609	609	556	91.3	563	92.4	561	92.1	546	89.7	550	90.3	546	89.7	555	91.1	554	91.0	555	91.1	556	91.3	580	95.2
Lisbon ES	527	527	527	527	484	91.8	505	95.8	510	96.8	519	98.5	523	99.2	517	98.1	533	101.1	562	106.6	590	112.0	594	112.7	597	113.3
Longfellow ES	512	512	512	512	438	85.5	452	88.3	468	91.4	470	91.8	472	92.2	487	95.1	495	96.7	504	98.4	516	100.8	525	102.5	531	103.7
Manor Woods ES	681	681	681	681	624	91.6	630	92.5	611	89.7	638	93.7	607	89.1	597	87.7	613	90.0	607	89.1	615	90.3	621	91.2	624	91.6
New ES #43	NS	0	0	0																						
New ES #44	NS	0	0	0																						
New ES #45	NS	0	0	0																						
Northfield ES	700	700	700	700	759	108.4	776	110.9	772	110.3	796	113.7	824	117.7	842	120.3	876	125.1	899	128.4	939	134.1	960	137.1	962	137.4
Phelps Luck ES	597	597	597	597	566	94.8	583	97.7	583	97.7	596	99.8	584	97.8	594	99.5	593	99.3	591	99.0	613	102.7	623	104.4	630	105.5
Pointers Run ES	744	744	744	744	925	124.3	974	130.9	1018	136.8	1058	142.2	1060	142.5	1056	141.9	1035	139.1	1010	135.8	973	130.8	940	126.3	909	122.2
Rockburn ES	584	584	584	584	593	101.5	611	104.6	611	104.6	627	107.4	638	109.2	654	112.0	676	115.8	677	115.9	678	116.1	673	115.2	663	113.5
Running Brook ES	515	515	515	515	468	90.9	471	91.5	500	97.1	551	107.0	583	113.2	610	118.4	644	125.0	673	130.7	712	138.3	724	140.6	749	145.4
St Johns Lane ES	612	612	612	612	726	118.6	735	120.1	750	122.5	768	125.5	787	128.6	805	131.5	806	131.7	804	131.4	795	129.9	788	128.8	785	128.3
Stevens Forest ES	380	380	380	380	414	108.9	420	110.5	427	112.4	440	115.8	435	114.5	434	114.2	435	114.5	439	115.5	439	115.5	438	115.3	439	115.5
Swansfield ES	694	694	694	694	719	103.6	720	103.7	717	103.3	722	104.0	725	104.5	734	105.8	743	107.1	756	108.9	779	112.2	794	114.4	806	116.1
Talbot Springs ES	377	377	540	540	465	123.3	442	117.2	426	78.9	406	75.2	409	75.7	422	78.1	425	78.7	439	81.3	458	84.8	477	88.3	487	90.2
Thunder Hill ES	509	509	509	509	508	99.8	487	95.7	485	95.3	467	91.7	466	91.6	468	91.9	467	91.7	489	96.1	499	98.0	511	100.4	516	101.4
Triadelphia Ridge ES	606	606	606	606	542	89.4	541	89.3	551	90.9	554	91.4	552	91.1	566	93.4	565	93.2	562	92.7	558	92.1	542	89.4	529	87.3
Veterans ES	799	799	799	799	822	102.9	808	101.1	799	100.0	794	99.4	801	100.3	800	100.1	830	103.9	867	108.5	867	108.5	868	108.6	864	108.1
Waterloo ES	603	603	603	603	548	90.9	525	87.1	521	86.4	486	80.6	518	84.2	519	86.1	526	87.2	531	88.1	557	92.4	569	94.4	573	95.0
Waverly ES	788	788	788	788	886	112.4	890	112.9	894	113.5	899	114.1	918	116.5	912	115.7	898	114.0	906	115.0	907	115.1	898	114.0	882	111.9
West Friendship ES	414	414	414	414	426	102.9	450	108.7	462	111.6	487	117.6	532	128.5	561	135.5	571	137.9	581	140.3	601	145.2	613	148.1	617	149.0
Worthington ES	515	515	515	515	458	88.9	457	88.7	459	89.1	469	91.1	492	95.5	515	100.0	531	103.1	607	117.9	660	128.2	661	128.3	641	124.5
Countywide Totals	25576	25576	25739	25739	25784	100.8	26099	102.0	26259	102.0	26606	103.4	27000	102.5	27481	104.3	27855	103.4	28346	105.2	28911	107.3	29135	108.2	29224	106.5

'A' includes additions as proposed for FY 2021 CIP for grades K-5

'NS' New School proposed for FY 2021 Capital Budget

'R' Replacement School proposed for FY 2021 Capital Budget

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

Columbia Option # 2 - Middle Post Measures

Post-Measures

Columbia Option 2

MIDDLE SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

School	Capacity				2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Bonnie Branch MS	701	701	701	701	691	98.6	654	93.3	656	93.6	651	92.9	693	98.9	706	100.7	740	105.6	712	101.6	724	103.3	717	102.3	749	106.8
Burleigh Manor MS	779	779	779	779	806	103.5	804	103.2	806	103.5	778	99.9	784	100.6	793	101.8	798	102.4	785	100.8	778	99.9	777	99.7	788	101.2
Clarksville MS	643	643	643	643	704	109.5	697	108.4	673	104.7	674	104.8	701	109.0	705	109.6	714	111.0	715	111.2	721	112.1	723	112.4	722	112.3
Dunloggin MS	A 565	565	565	565	652	115.4	658	116.5	673	119.1	671	118.8	676	102.1	673	101.7	689	104.1	692	104.5	681	102.9	677	102.3	691	104.4
Elkridge Landing MS	779	779	779	779	747	95.9	768	98.6	820	105.3	857	110.0	867	111.3	859	110.3	882	113.2	892	114.5	904	116.0	907	116.4	941	120.8
Ellicott Mills MS	701	701	701	701	910	129.8	912	130.1	884	126.1	893	127.4	878	125.2	866	123.5	861	122.8	860	122.7	863	123.1	860	122.7	913	130.2
Folly Quarter MS	662	662	662	662	674	101.8	677	102.3	664	100.3	660	99.7	649	98.0	668	100.9	679	102.6	700	105.7	692	104.5	701	105.9	710	107.3
Glenwood MS	545	545	545	545	532	97.6	527	96.7	504	92.5	502	92.1	499	91.6	521	95.6	539	98.9	553	101.5	549	100.7	553	101.5	557	102.2
Hammond MS	604	604	604	604	702	116.2	724	119.9	746	123.5	737	122.0	762	126.2	768	127.2	801	132.6	809	133.9	829	137.3	836	138.4	864	143.0
Harpers Choice MS	506	506	506	506	470	92.9	466	92.1	442	87.4	428	84.6	442	87.4	453	89.5	468	92.5	464	91.7	466	92.1	458	90.5	469	92.7
Lake Elkhorn MS	643	643	643	643	555	86.3	503	78.2	503	78.2	486	75.6	501	77.9	481	74.8	489	76.0	479	74.5	476	74.0	473	73.6	482	75.0
Lime Kiln MS	721	721	721	721	676	93.8	675	93.6	718	99.6	737	102.2	743	103.1	751	104.2	774	107.4	817	113.3	803	111.4	825	114.4	809	112.2
Mayfield Woods MS	798	798	798	798	842	105.5	839	105.1	833	104.4	822	103.0	850	106.5	868	108.8	915	114.7	935	117.2	936	117.3	923	115.7	946	118.5
Mount View MS	798	798	798	798	842	105.5	895	112.2	911	114.2	911	114.2	940	117.8	944	118.3	968	121.3	972	121.8	968	121.3	970	121.6	971	121.7
Murray Hill MS	662	662	662	662	799	120.7	785	118.6	775	117.1	808	122.1	847	127.9	859	129.8	829	125.2	836	126.3	832	125.7	843	127.3	843	127.3
Oakland Mills MS	A 506	506	506	506	500	98.8	498	98.4	510	100.8	519	102.6	516	102.0	509	100.6	510	77.0	491	74.2	494	74.6	488	73.7	507	76.6
Patapsco MS	A 643	643	643	643	775	120.5	834	129.7	865	134.5	879	136.7	885	137.6	889	138.3	900	140.0	903	140.4	902	113.0	895	112.2	892	111.8
Patuxent Valley MS	760	760	760	760	715	94.1	687	90.4	695	91.4	673	88.6	682	89.7	679	89.3	714	93.9	723	95.1	723	95.1	738	97.1	766	100.8
Thomas Viaduct MS	701	701	701	701	748	106.7	781	111.4	763	108.8	781	111.4	773	110.3	778	111.0	769	109.7	783	111.7	806	115.0	832	118.7	843	120.3
Wilde Lake MS	721	721	721	721	675	93.6	688	95.4	710	98.5	715	99.2	741	102.8	776	107.6	806	111.8	845	117.2	843	116.9	878	121.8	901	125.0
Countywide Totals	13438	13438	13438	13438	14015	104.3	14072	104.7	14151	105.3	14182	105.5	14429	106.6	14546	107.5	14845	108.4	14966	109.3	14990	108.3	15074	108.9	15364	111.0

A* includes additions as proposed for FY 2021 CIP for grades 6-8

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

Columbia Option # 2 - Elementary and Middle Assessments

Elementary School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	3	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	0	
	Mean	4.2	4.7 NEGLIGIBLE	
Proximity to school	# of Schools Strengthened	NA	2	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	2	
	Mean (smaller # = closer set of polygons)	5789	5787 NEGLIGIBLE	
Small MS from ES Feeds (under 15%)				Feed information in middle and high school sections.
Double Small Feed	# of Double Small Feeds	1	1 NEGLIGIBLE	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
Non-contiguous Attendance Areas	Number of "Islands"	5	5 NEGLIGIBLE	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
Students moved within 5 yrs of last ES move	Number	NA	0	
	% of Enrollment	NA	0.0%	
			0	
Students Moved	Number moved in	NA	264	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	Number moved out	NA	264	
Strength		Negligible	Weakness	

Middle School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	0	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	0	
	Mean	6.7	6.7 NEGLIGIBLE	
Proximity to school	# of Schools Strengthened	NA	1	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	1	
	Mean (smaller # = closer set of polygons)	8322	8324 NEGLIGIBLE	
Small MS from ES Feeds (under 15%)	# of Small Feeds	17	18 WEAKNESS	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
Double Small Feed	# of Double Small Feeds	1	1 NEGLIGIBLE	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
Non-contiguous Attendance Areas	Number of "Islands"	0	0 NEGLIGIBLE	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
Students moved within 5 yrs of last ES move	Number	NA	0	
	% of Enrollment	NA	0.0%	
			0	
Students Moved	Number moved in	NA	104	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
	Number moved out	NA	104	
Strength		Negligible	Weakness	

Columbia Option # 2 - Middle School Feed Report

Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed	Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Bonnie Branch MS	Ilchester ES Jeffers Hill ES Phelps Luck ES Rockburn ES Waterloo ES	47.7% 2.1% 45.9% 4.3% 0.0%	Ilchester ES Jeffers Hill ES Phelps Luck ES Rockburn ES Waterloo ES	47.7% 2.1% 45.9% 4.3% 0.0%	Lake Elkhorn MS	Cradlerock ES Guilford ES Jeffers Hill ES Talbot Springs ES	41.1% 26.5% 24.1% 8.3%	Cradlerock ES Guilford ES Jeffers Hill ES Talbot Springs ES	41.1% 26.5% 24.1% 8.3%
Burleigh Manor MS	Centennial Lane ES Manor Woods ES Northfield ES Triadelphia Ridge ES	56.3% 27.1% 15.4% 1.1%	Centennial Lane ES Manor Woods ES Northfield ES Triadelphia Ridge ES	56.3% 27.1% 15.4% 1.1%	Lime Kiln MS	Dayton Oaks ES Fulton ES Pointers Run ES	27.8% 58.6% 13.5%	Dayton Oaks ES Fulton ES Pointers Run ES	27.8% 58.6% 13.5%
Clarksville MS	Clarksville ES Pointers Run ES	46.2% 53.8%	Clarksville ES Pointers Run ES	46.2% 53.8%	Mayfield Woods MS	Bellows Spring ES Deep Run ES Jeffers Hill ES Waterloo ES	29.5% 42.4% 10.0% 18.1%	Bellows Spring ES Deep Run ES Jeffers Hill ES Waterloo ES	29.5% 42.4% 10.0% 18.1%
Dunloggin MS	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	6.7% 44.7% 11.6% 5.2% 31.8%	Hollifield Station ES Northfield ES St Johns Lane ES Thunder Hill ES Veterans ES	6.7% 44.7% 11.6% 5.2% 31.8%	Mount View MS	Manor Woods ES Waverly ES West Friendship ES	22.3% 46.8% 30.9%	Manor Woods ES Waverly ES West Friendship ES	22.3% 46.8% 30.9%
Elkridge Landing MS	Elkridge ES Rockburn ES	65.8% 34.2%	Elkridge ES Rockburn ES	65.8% 34.2%	Murray Hill MS	Gorman Crossing ES Laurel Woods ES	54.4% 45.6%	Gorman Crossing ES Laurel Woods ES	54.4% 45.6%
Ellicott Mills MS	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	20.7% 26.9% 17.9% 34.5%	Thunder Hill ES Veterans ES Waterloo ES Worthington ES	20.7% 26.9% 17.9% 34.5%	Oakland Mills MS	Atholton ES Stevens Forest ES Talbot Springs ES Thunder Hill ES	9.2% 41.0% 35.1% 14.6%	Atholton ES Stevens Forest ES Talbot Springs ES Thunder Hill ES	9.2% 41.0% 35.1% 14.6%
Folly Quarter MS	Bushy Park ES Clarksville ES Dayton Oaks ES Triadelphia Ridge ES	18.9% 0.1% 30.9% 50.1%	Bushy Park ES Clarksville ES Dayton Oaks ES Triadelphia Ridge ES	18.9% 0.1% 30.9% 50.1%	Patapsco MS	Hollifield Station ES St Johns Lane ES Waverly ES	48.1% 40.6% 11.3%	Hollifield Station ES St Johns Lane ES Waverly ES	48.1% 40.6% 11.3%
Glenwood MS	Bushy Park ES Lisbon ES	48.2% 51.8%	Bushy Park ES Lisbon ES	48.2% 51.8%	Patuxent Valley MS	Bollman Bridge ES Forest Ridge ES	49.3% 50.7%	Bollman Bridge ES Forest Ridge ES	49.3% 50.7%
Hammond MS	Atholton ES Fulton ES Guilford ES Hammond ES	25.8% 16.0% 0.0% 58.2%	Atholton ES Fulton ES Guilford ES Hammond ES	25.8% 16.0% 0.0% 58.2%	Thomas Viaduct MS	Bellows Spring ES Ducketts Lane ES Guilford ES Hanover Hills ES	10.6% 35.9% 9.0% 44.5%	Bellows Spring ES Ducketts Lane ES Guilford ES Hanover Hills ES	10.6% 35.9% 9.0% 44.5%
Harpers Choice MS	Longfellow ES Swansfield ES	39.9% 60.1%	Longfellow ES Swansfield ES	41.7% 58.3%	Wilde Lake MS	Bryant Woods ES Clemens Crossing ES Running Brook ES	34.6% 29.4% 36.0%	Bryant Woods ES Clemens Crossing ES Running Brook ES Swansfield ES	27.0% 23.0% 35.3% 14.7%

Columbia Option # 2 - High School Feed Report

High School	Before Feeding Schools	Feed	After Feeding Schools	Feed	High School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Atholton HS	Clarksville MS	34.0%	Clarksville MS	34.0%	Marriotts Ridge HS	Burleigh Manor MS	18.2%	Burleigh Manor MS	18.2%
	Hammond MS	13.0%	Hammond MS	13.0%		Mount View MS	81.8%	Mount View MS	81.8%
	Murray Hill MS	21.1%	Murray Hill MS	21.1%					
	Wilde Lake MS	31.9%	Wilde Lake MS	31.9%					
Centennial HS	Burleigh Manor MS	51.3%	Burleigh Manor MS	51.3%	Mt Hebron HS	Dunloggin MS	17.2%	Dunloggin MS	17.2%
	Dunloggin MS	23.4%	Dunloggin MS	23.4%		Ellicott Mills MS	21.6%	Ellicott Mills MS	21.6%
	Ellicott Mills MS	25.3%	Ellicott Mills MS	25.3%		Patapsco MS	61.2%	Patapsco MS	61.2%
Glenelg HS	Folly Quarter MS	38.6%	Folly Quarter MS	38.6%	Oakland Mills HS	Lake Elkhorn MS	46.7%	Lake Elkhorn MS	46.7%
	Glenwood MS	61.4%	Glenwood MS	61.4%		Oakland Mills MS	53.3%	Oakland Mills MS	53.3%
Hammond HS	Hammond MS	26.6%	Hammond MS	26.6%	Reservoir HS	Hammond MS	11.5%	Hammond MS	11.5%
	Lake Elkhorn MS	11.9%	Lake Elkhorn MS	11.9%		Lime Kiln MS	33.0%	Lime Kiln MS	33.0%
	Patuxent Valley MS	44.8%	Patuxent Valley MS	44.8%		Murray Hill MS	41.9%	Murray Hill MS	41.9%
	Thomas Viaduct MS	16.7%	Thomas Viaduct MS	16.7%		Patuxent Valley MS	13.7%	Patuxent Valley MS	13.7%
Howard HS	Bonnie Branch MS	35.2%	Bonnie Branch MS	35.2%	River Hill HS	Clarksville MS	46.0%	Clarksville MS	46.0%
	Elkridge Landing MS	45.7%	Elkridge Landing MS	45.7%		Folly Quarter MS	32.9%	Folly Quarter MS	32.9%
	Ellicott Mills MS	18.7%	Ellicott Mills MS	18.7%		Lime Kiln MS	21.1%	Lime Kiln MS	21.1%
	Mayfield Woods MS	0.4%	Mayfield Woods MS	0.4%	Wilde Lake HS	Dunloggin MS	11.0%	Dunloggin MS	11.0%
Long Reach HS	Bonnie Branch MS	11.3%	Bonnie Branch MS	11.3%		Harpers Choice MS	51.1%	Harpers Choice MS	49.6%
	Elkridge Landing MS	9.0%	Elkridge Landing MS	9.0%		Wilde Lake MS	37.9%	Wilde Lake MS	39.4%
	Mayfield Woods MS	49.7%	Mayfield Woods MS	49.7%					
	Thomas Viaduct MS	30.0%	Thomas Viaduct MS	30.0%					

Columbia Option # 2 - Elementary Race Report

Elementary School	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Atholton ES	<=5%	<=5%	8%	8%	21%	21%	<=5%	<=5%	10%	10%	9%	9%	52%	52%
Bellows Spring ES	<=5%	<=5%	30%	30%	25%	25%	<=5%	<=5%	11%	11%	6%	6%	27%	27%
Bollman Bridge ES	<=5%	<=5%	8%	8%	38%	38%	<=5%	<=5%	23%	23%	6%	6%	23%	23%
Bryant Woods ES	<=5%	<=5%	<=5%	<=5%	55%	54%	<=5%	<=5%	12%	12%	9%	10%	20%	21%
Bushy Park ES	<=5%	<=5%	14%	14%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	72%	72%
Centennial Lane ES	<=5%	<=5%	50%	50%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	7%	7%	33%	33%
Clarksville ES	<=5%	<=5%	56%	56%	8%	8%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	27%	27%
Clemens Crossing ES	<=5%	<=5%	15%	16%	17%	14%	<=5%	<=5%	9%	10%	11%	9%	48%	50%
Cradlerock ES	<=5%	<=5%	7%	7%	48%	48%	<=5%	<=5%	16%	16%	8%	8%	21%	21%
Dayton Oaks ES	<=5%	<=5%	20%	20%	10%	10%	<=5%	<=5%	<=5%	<=5%	6%	6%	59%	59%
Deep Run ES	<=5%	<=5%	14%	14%	15%	15%	<=5%	<=5%	40%	40%	<=5%	<=5%	24%	24%
Ducketts Lane ES	<=5%	<=5%	13%	13%	39%	39%	<=5%	<=5%	21%	21%	<=5%	<=5%	22%	22%
Elkridge ES	<=5%	<=5%	18%	18%	27%	27%	<=5%	<=5%	8%	8%	7%	7%	40%	40%
Forest Ridge ES	<=5%	<=5%	23%	23%	35%	35%	<=5%	<=5%	14%	14%	7%	7%	21%	21%
Fulton ES	<=5%	<=5%	31%	31%	14%	14%	<=5%	<=5%	<=5%	<=5%	10%	10%	41%	41%
Gorman Crossing ES	<=5%	<=5%	29%	29%	33%	33%	<=5%	<=5%	11%	11%	7%	7%	20%	20%
Guilford ES	<=5%	<=5%	16%	16%	47%	47%	<=5%	<=5%	12%	12%	7%	7%	19%	19%
Hammond ES	<=5%	<=5%	13%	13%	29%	29%	<=5%	<=5%	12%	12%	8%	8%	37%	37%
Hanover Hills ES	<=5%	<=5%	25%	25%	38%	38%	<=5%	<=5%	15%	15%	<=5%	<=5%	16%	16%
Hollifield Station ES	<=5%	<=5%	45%	45%	15%	15%	<=5%	<=5%	12%	12%	<=5%	<=5%	25%	25%
Ilchester ES	<=5%	<=5%	27%	27%	6%	6%	<=5%	<=5%	<=5%	<=5%	6%	6%	58%	58%
Jeffers Hill ES	<=5%	<=5%	12%	12%	38%	38%	<=5%	<=5%	20%	20%	9%	9%	20%	20%
Laurel Woods ES	<=5%	<=5%	11%	11%	52%	52%	<=5%	<=5%	25%	25%	6%	6%	7%	7%
Lisbon ES	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	8%	8%	7%	7%	79%	79%
Longfellow ES	<=5%	<=5%	10%	9%	33%	38%	<=5%	<=5%	23%	16%	11%	11%	23%	24%
Manor Woods ES	<=5%	<=5%	47%	47%	9%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	35%	35%
Northfield ES	<=5%	<=5%	27%	27%	9%	9%	<=5%	<=5%	6%	6%	9%	9%	48%	48%
Phelps Luck ES	<=5%	<=5%	6%	6%	38%	38%	<=5%	<=5%	30%	30%	9%	9%	17%	17%
Pointers Run ES	<=5%	<=5%	33%	33%	9%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	49%	49%
Rockburn ES	<=5%	<=5%	19%	19%	13%	13%	<=5%	<=5%	<=5%	<=5%	7%	7%	55%	55%
Running Brook ES	<=5%	<=5%	<=5%	<=5%	57%	57%	<=5%	<=5%	12%	12%	8%	8%	18%	18%
St Johns Lane ES	<=5%	<=5%	35%	35%	13%	13%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	43%	43%
Stevens Forest ES	<=5%	<=5%	6%	6%	40%	40%	<=5%	<=5%	29%	29%	10%	10%	14%	14%
Swansfield ES	<=5%	<=5%	<=5%	6%	55%	50%	<=5%	<=5%	18%	19%	7%	8%	15%	16%
Talbott Springs ES	<=5%	<=5%	<=5%	<=5%	40%	40%	<=5%	<=5%	25%	25%	7%	7%	24%	24%
Thunder Hill ES	<=5%	<=5%	19%	19%	27%	27%	<=5%	<=5%	8%	8%	9%	9%	37%	37%
Triadelphia Ridge ES	<=5%	<=5%	29%	29%	8%	8%	<=5%	<=5%	7%	7%	9%	9%	47%	47%
Veterans ES	<=5%	<=5%	52%	52%	14%	14%	<=5%	<=5%	7%	7%	<=5%	<=5%	25%	25%
Waterloo ES	<=5%	<=5%	23%	23%	29%	29%	<=5%	<=5%	<=5%	<=5%	7%	7%	36%	36%
Waverly ES	<=5%	<=5%	49%	49%	7%	7%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	37%	37%
West Friendship ES	<=5%	<=5%	22%	22%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	6%	65%	65%
Worthington ES	<=5%	<=5%	39%	39%	7%	7%	<=5%	<=5%	<=5%	<=5%	6%	6%	44%	44%
Countywide Average	<=5%		22%		25%		<=5%		12%		7%		34%	

See page 35 for information about the data used in this report.

Columbia Option # 2 - Middle Race Report

	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
Middle School	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Bonnie Branch MS	<=5%	<=5%	16%	16%	26%	26%	<=5%	<=5%	15%	15%	7%	7%	35%	35%
Burleigh Manor MS	<=5%	<=5%	48%	48%	12%	12%	<=5%	<=5%	<=5%	<=5%	6%	6%	29%	29%
Clarksville MS	<=5%	<=5%	40%	40%	6%	6%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	45%	45%
Dunloggin MS	<=5%	<=5%	33%	33%	16%	16%	<=5%	<=5%	8%	8%	<=5%	<=5%	39%	39%
Elkridge Landing MS	<=5%	<=5%	17%	17%	23%	23%	<=5%	<=5%	8%	8%	6%	6%	46%	46%
Ellicott Mills MS	<=5%	<=5%	32%	32%	14%	14%	<=5%	<=5%	6%	6%	<=5%	<=5%	43%	43%
Folly Quarter MS	<=5%	<=5%	27%	27%	6%	6%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	57%	57%
Glenwood MS	<=5%	<=5%	8%	8%	6%	6%	<=5%	<=5%	7%	7%	<=5%	<=5%	75%	75%
Hammond MS	<=5%	<=5%	12%	12%	26%	26%	<=5%	<=5%	8%	8%	8%	8%	45%	45%
Harpers Choice MS	<=5%	<=5%	8%	9%	50%	49%	<=5%	<=5%	16%	16%	8%	8%	18%	17%
Lake Elkhorn MS	<=5%	<=5%	10%	10%	51%	51%	<=5%	<=5%	18%	18%	7%	7%	14%	14%
Lime Kiln MS	<=5%	<=5%	28%	28%	12%	12%	<=5%	<=5%	<=5%	<=5%	6%	6%	50%	50%
Mayfield Woods MS	<=5%	<=5%	13%	13%	29%	29%	<=5%	<=5%	25%	25%	<=5%	<=5%	28%	28%
Mount View MS	<=5%	<=5%	36%	36%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	6%	49%	49%
Murray Hill MS	<=5%	<=5%	17%	17%	45%	45%	<=5%	<=5%	21%	21%	<=5%	<=5%	13%	13%
Oakland Mills MS	<=5%	<=5%	<=5%	<=5%	37%	37%	<=5%	<=5%	21%	21%	10%	10%	27%	27%
Patapsco MS	<=5%	<=5%	33%	33%	11%	11%	<=5%	<=5%	9%	9%	<=5%	<=5%	43%	43%
Patuxent Valley MS	<=5%	<=5%	17%	17%	38%	38%	<=5%	<=5%	18%	18%	6%	6%	21%	21%
Thomas Viaduct MS	<=5%	<=5%	14%	14%	45%	45%	<=5%	<=5%	18%	18%	<=5%	<=5%	18%	18%
Wilde Lake MS	<=5%	<=5%	8%	7%	47%	47%	<=5%	<=5%	11%	11%	9%	8%	25%	26%
Countywide Average	<=5%		21%		25%		<=5%		12%		6%		36%	

See page 35 for information about the data used in this report.

Columbia Option # 2 - Elementary and Middle ESOL Report

School	% ESOL Participation	
	Base	Proposed
Atholton ES	<=5%	<=5%
Bellows Spring ES	9%	9%
Bollman Bridge ES	14%	14%
Bryant Woods ES	<=5%	<=5%
Bushy Park ES	<=5%	<=5%
Centennial Lane ES	6%	6%
Clarksville ES	6%	6%
Clemens Crossing ES	<=5%	<=5%
Cradlerock ES	8%	8%
Dayton Oaks ES	<=5%	<=5%
Deep Run ES	23%	23%
Ducketts Lane ES	16%	16%
Elkridge ES	6%	6%
Forest Ridge ES	9%	9%
Fulton ES	6%	6%
Gorman Crossing ES	7%	7%
Guilford ES	7%	7%
Hammond ES	6%	6%
Hanover Hills ES	11%	11%
Hollifield Station ES	13%	13%
Ilchester ES	<=5%	<=5%
Jeffers Hill ES	9%	9%
Laurel Woods ES	13%	13%
Lisbon ES	<=5%	<=5%
Longfellow ES	<=5%	<=5%
Manor Woods ES	8%	8%
Northfield ES	<=5%	<=5%
Phelps Luck ES	17%	17%
Pointers Run ES	<=5%	<=5%
Rockburn ES	<=5%	<=5%
Running Brook ES	6%	6%
St Johns Lane ES	<=5%	<=5%
Stevens Forest ES	20%	20%
Swansfield ES	8%	8%
Talbott Springs ES	12%	12%
Thunder Hill ES	6%	6%
Triadelphia Ridge ES	<=5%	<=5%
Veterans ES	10%	10%
Waterloo ES	8%	8%
Waverly ES	<=5%	<=5%
West Friendship ES	<=5%	<=5%
Worthington ES	<=5%	<=5%
Countywide Average	7%	

School	% ESOL Participation	
	Base	Proposed
Bonnie Branch MS	6%	6%
Burleigh Manor MS	<=5%	<=5%
Clarksville MS	<=5%	<=5%
Dunloggin MS	<=5%	<=5%
Elkridge Landing MS	<=5%	<=5%
Ellicott Mills MS	<=5%	<=5%
Folly Quarter MS	<=5%	<=5%
Glenwood MS	<=5%	<=5%
Hammond MS	<=5%	<=5%
Harpers Choice MS	<=5%	<=5%
Lake Elkhorn MS	<=5%	<=5%
Lime Kiln MS	<=5%	<=5%
Mayfield Woods MS	<=5%	<=5%
Mount View MS	<=5%	<=5%
Murray Hill MS	<=5%	<=5%
Oakland Mills MS	<=5%	<=5%
Patapsco MS	<=5%	<=5%
Patuxent Valley MS	<=5%	<=5%
Thomas Viaduct MS	6%	6%
Wilde Lake MS	<=5%	<=5%
Countywide Average	<=5%	

See page 35 for information about the data used in these reports.

Columbia Option # 2 - Elementary FARM and Test Percentages

FARM/Test Data		Columbia 2	
School Name	FARM	PARCC-Read	PARCC-Math
Atholton ES	15%	47%	58%
Bellows Spring ES	17%	63%	59%
Bollman Bridge ES	50%	29%	32%
Bryant Woods ES	50%	40%	48%
Bushy Park ES	<=5%	76%	74%
Centennial Lane ES	6%	75%	82%
Clarksville ES	<=5%	83%	89%
Clemens Crossing ES	10%	67%	65%
Cradlerock ES	55%	35%	26%
Dayton Oaks ES	<=5%	69%	77%
Deep Run ES	54%	37%	40%
Ducketts Lane ES	53%	41%	40%
Elkridge ES	32%	44%	47%
Forest Ridge ES	33%	53%	50%
Fulton ES	<=5%	70%	77%
Gorman Crossing ES	18%	53%	59%
Guilford ES	45%	38%	36%
Hammond ES	24%	52%	60%
Hanover Hills ES	37%	43%	47%
Hollifield Station ES	24%	54%	56%
Ilchester ES	<=5%	84%	77%
Jeffers Hill ES	35%	43%	35%
Laurel Woods ES	61%	37%	37%
Lisbon ES	12%	67%	57%
Longfellow ES	45%	48%	48%
Manor Woods ES	8%	68%	72%
Northfield ES	11%	62%	65%
Phelps Luck ES	63%	36%	35%
Pointers Run ES	<=5%	72%	82%
Rockburn ES	6%	65%	70%
Running Brook ES	52%	32%	34%
St Johns Lane ES	9%	63%	64%
Stevens Forest ES	65%	33%	30%
Swansfield ES	59%	33%	36%
Talbott Springs ES	49%	53%	46%
Thunder Hill ES	21%	62%	63%
Triadelphia Ridge ES	<=5%	71%	80%
Veterans ES	21%	55%	59%
Waterloo ES	24%	65%	66%
Waverly ES	<=5%	76%	79%
West Friendship ES	6%	70%	66%
Worthington ES	<=5%	68%	72%
System-wide total	25%	57%	59%

See page 35 for information about the data used in this report.

Columbia Option # 2 - Middle FARM and Test Percentages

FARM/Test Data		Columbia 2	
School Name	FARM	PARCC-Read	PARCC-Math
Bonnie Branch MS	32%	49%	49%
Burleigh Manor MS	11%	76%	74%
Clarksville MS	<=5%	84%	84%
Dunloggin MS	19%	63%	59%
Elkridge Landing MS	21%	57%	44%
Ellicott Mills MS	11%	65%	66%
Folly Quarter MS	<=5%	69%	76%
Glenwood MS	7%	63%	60%
Hammond MS	19%	62%	55%
Harpers Choice MS	51%	31%	28%
Lake Elkhorn MS	52%	35%	27%
Lime Kiln MS	<=5%	72%	70%
Mayfield Woods MS	43%	43%	37%
Mount View MS	<=5%	76%	77%
Murray Hill MS	38%	47%	41%
Oakland Mills MS	48%	38%	34%
Patapsco MS	16%	57%	64%
Patuxent Valley MS	37%	44%	37%
Thomas Viaduct MS	45%	38%	29%
Wilde Lake MS	46%	43%	35%
System-wide total	25%	57%	54%

See page 35 for information about the data used in this report.

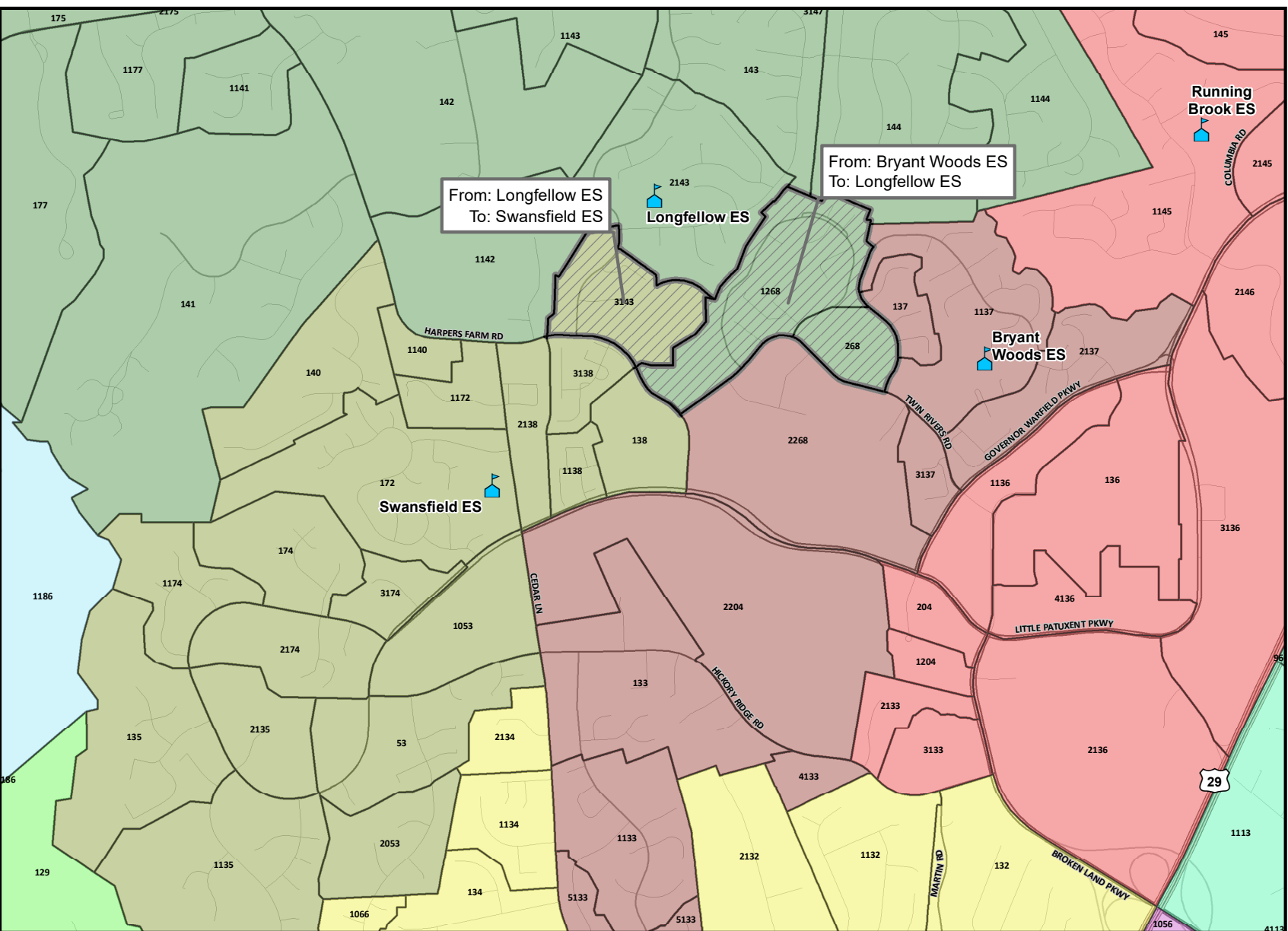
Columbia Option # 3 - Summary and Polygon Moves

Columbia Option #3:

Compared to Columbia Option #2, this option omits moves from Clemens Crossing ES, as well as proposed middle school moves. Minor changes to Bryant Woods ES with this option keep it within target utilization until SY 2026-27. The elementary school reassignments in this option result in a small feed at Wilde Lake MS from Longfellow ES. Polygons 268, 1268 and 1142 are walkers to their current elementary assignments and can walk to their proposed assignments.

Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Bryant Woods ES	Longfellow ES	92	268, 1268
Longfellow ES	Swansfield ES	92	3143
Total		184	

Columbia Option # 3 - Elementary School Map



2019 Feasibility Study Boundary Review

Columbia ES Option #3

Showing proposed boundaries and areas reassigned for this option.



Columbia Option # 3 - Elementary Post Measures

Post-Measures

Columbia Option 3

ELEMENTARY SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Proposed FY 2021 Capital Budget Projects - Not Test for APFO

Chart reflects May 2019 Projections, potential FY 2021 requested capacities and boundary adjustments.

School	Capacity				2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31	
	2020	2021	2022	2023	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.	Proj	% Util.
Atholton ES	424	424	424	424	461	108.7	457	107.8	449	105.9	442	104.2	444	104.7	444	104.7	443	104.5	442	104.2	441	104.0	441	104.0	442	104.2
Bellows Spring ES	726	726	726	726	767	105.6	808	111.3	826	113.8	843	116.1	867	119.4	889	122.5	885	121.9	880	121.2	884	121.8	876	120.7	853	117.5
Bollman Bridge ES	666	666	666	666	683	102.6	695	104.4	706	106.0	754	113.2	765	114.9	760	114.1	747	112.2	739	111.0	737	110.7	722	108.4	737	110.7
Bryant Woods ES	361	361	361	361	359	99.4	370	102.5	378	104.7	380	105.3	390	108.0	395	109.4	399	110.5	405	112.2	413	114.4	421	116.6	425	117.7
Bushy Park ES	725	725	725	725	597	82.3	563	77.7	565	77.9	544	75.0	530	73.1	521	71.9	536	73.9	534	73.7	567	78.2	589	81.2	583	80.4
Centennial Lane ES	647	647	647	647	715	110.5	718	111.0	736	113.8	727	112.4	741	114.5	757	117.0	768	118.7	788	121.8	788	121.8	801	123.8	803	124.1
Clarksville ES	543	543	543	543	381	70.2	388	71.5	377	69.4	367	67.6	364	67.0	379	69.8	380	70.0	379	69.8	399	73.5	400	73.7	406	74.8
Clemens Crossing ES	521	521	521	521	548	105.2	595	114.2	591	113.4	605	116.1	620	119.0	633	121.5	660	126.7	670	128.6	693	133.0	715	137.2	727	139.5
Cradlerock ES	398	398	398	398	460	115.6	475	119.3	470	118.1	473	118.8	473	118.8	473	118.8	474	119.1	472	118.6	472	118.6	476	119.6	475	119.3
Dayton Oaks ES	700	700	700	700	667	95.3	708	101.1	717	102.4	752	107.4	789	112.7	807	115.3	818	116.9	815	116.4	837	119.6	854	122.0	875	125.0
Deep Run ES	750	750	750	750	682	90.9	713	95.1	731	97.5	752	100.3	786	104.8	806	107.5	820	109.3	843	112.4	866	115.5	892	118.9	905	120.7
Ducketts Lane ES	650	650	650	650	569	87.5	580	89.2	589	90.6	603	92.8	600	92.3	602	92.6	614	94.5	614	94.5	609	93.7	607	93.4	604	92.9
Elkridge ES	760	760	760	760	893	117.5	908	119.5	909	119.6	906	119.2	926	121.8	965	127.0	986	129.7	1057	139.1	1116	146.8	1144	150.5	1137	149.6
Forest Ridge ES	713	713	713	713	678	95.1	692	97.1	694	97.3	713	100.0	740	103.8	796	111.6	844	118.4	883	123.8	919	128.9	942	132.1	956	134.1
Fulton ES	826	826	826	826	1009	122.2	1041	126.0	1038	125.7	1072	129.8	1070	129.5	1067	129.2	1048	126.9	1019	123.4	1025	124.1	1006	121.8	1008	122.0
Gorman Crossing ES	735	735	735	735	826	112.4	860	117.0	878	119.5	869	118.2	861	117.1	852	115.9	863	117.4	871	118.5	865	117.7	850	115.6	856	116.5
Guilford ES	465	465	465	465	367	78.9	360	77.4	346	74.4	351	75.5	364	78.3	398	85.6	407	87.5	417	89.7	430	92.5	436	93.8	433	93.1
Hammond ES	653	653	653	653	618	94.6	614	94.0	626	95.9	658	100.8	696	106.6	728	111.5	752	115.2	802	122.8	827	126.6	853	130.6	866	132.6
Hanover Hills ES	810	810	810	810	723	89.3	705	87.0	713	88.0	706	87.2	697	86.0	697	86.0	694	85.7	729	90.0	752	92.8	747	92.2	737	91.0
Hollifield Station ES	732	732	732	732	923	126.1	906	123.8	884	120.8	862	117.8	870	118.9	868	118.6	869	118.7	864	118.0	862	117.8	858	117.2	868	118.6
Ilchester ES	584	584	584	584	598	102.4	582	99.7	608	104.1	625	107.0	641	109.8	704	120.5	725	124.1	753	128.9	780	133.6	805	137.8	815	139.6
Jeffers Hill ES	421	421	421	421	413	98.1	408	96.9	387	91.9	395	93.8	389	92.4	390	92.6	399	94.8	407	96.7	416	98.8	426	101.2	431	102.4
Laurel Woods ES	609	609	609	609	556	91.3	563	92.4	561	92.1	546	89.7	550	90.3	546	89.7	555	91.1	554	91.0	555	91.1	556	91.3	580	95.2
Lisbon ES	527	527	527	527	484	91.8	505	95.8	510	96.8	519	98.5	523	99.2	517	98.1	533	101.1	562	106.6	590	112.0	594	112.7	597	113.3
Longfellow ES	512	512	512	512	438	85.5	452	88.3	468	91.4	470	91.8	472	92.2	487	95.1	495	96.7	504	98.4	516	100.8	525	102.5	531	103.7
Manor Woods ES	681	681	681	681	624	91.6	630	92.5	611	89.7	638	93.7	607	89.1	597	87.7	613	90.0	607	89.1	615	90.3	621	91.2	624	91.6
New ES #43	NS	0	0	0																						
New ES #44	NS	0	0	0																						
New ES #45	NS	0	0	0																						
Northfield ES	700	700	700	700	759	108.4	776	110.9	772	110.3	796	113.7	824	117.7	842	120.3	876	125.1	899	128.4	939	134.1	960	137.1	962	137.4
Phelps Luck ES	597	597	597	597	566	94.8	583	97.7	583	97.7	596	99.8	584	97.8	594	99.5	593	99.3	591	99.0	613	102.7	623	104.4	630	105.5
Pointers Run ES	744	744	744	744	925	124.3	974	130.9	1018	136.8	1058	142.2	1060	142.5	1056	141.9	1035	139.1	1010	135.8	973	130.8	940	126.3	909	122.2
Rockburn ES	584	584	584	584	593	101.5	611	104.6	611	104.6	627	107.4	638	109.2	654	112.0	676	115.8	677	115.9	678	116.1	673	115.2	663	113.5
Running Brook ES	515	515	515	515	468	90.9	471	91.5	500	97.1	551	107.0	583	113.2	610	118.4	644	125.0	673	130.7	712	138.3	724	140.6	749	145.4
St Johns Lane ES	612	612	612	612	726	118.6	735	120.1	750	122.5	768	125.5	787	128.6	805	131.5	806	131.7	804	131.4	795	129.9	788	128.8	785	128.3
Stevens Forest ES	380	380	380	380	414	108.9	420	110.5	427	112.4	440	115.8	435	114.5	434	114.2	435	114.5	439	115.5	439	115.5	438	115.3	439	115.5
Swansfield ES	694	694	694	694	639	92.1	633	91.2	633	91.2	636	91.6	636	91.6	645	92.9	650	93.7	661	95.2	681	98.1	693	99.9	704	101.4
Talbot Springs ES	377	377	377	377	465	123.3	442	117.2	426	112.9	406	107.2	409	107.7	422	111.1	425	111.1	439	118.1	458	124.8	477	128.3	487	130.2
Thunder Hill ES	509	509	509	509	508	99.8	487	95.7	485	95.3	467	91.7	466	91.6	468	91.9	467	91.7	489	96.1	499	98.0	511	100.4	516	101.4
Triadelphia Ridge ES	606	606	606	606	542	89.4	541	89.3	551	90.9	554	91.4	552	91.1	566	93.4	565	93.2	562	92.7	558	92.1	542	89.4	529	87.3
Veterans ES	799	799	799	799	822	102.9	808	101.1	799	100.0	794	99.4	801	100.3	800	100.1	830	103.9	867	108.5	867	108.5	868	108.6	864	108.1
Waterloo ES	603	603	603	603	548	90.9	525	87.1	521	86.4	486	80.6	508	84.2	519	86.1	526	87.2	531	88.1	557	92.4	569	94.4	573	95.0
Waverly ES	788	788	788	788	886	112.4	890	112.9	894	113.5	899	114.1	918	116.5	912	115.7	898	114.0	906	115.0	907	115.1	898	114.0	882	111.9
West Friendship ES	414	414	414	414	426	102.9	450	108.7	462	111.6	487	117.6	532	128.5	561	135.5	571	137.9	581	140.3	601	145.2	613	148.1	617	149.0
Worthington ES	515	515	515	515	458	88.9	457	88.7	459	89.1	469	91.1	492	95.5	515	100.0	531	103.1	607	117.9	660	128.2	661	128.3	641	124.5
Countywide Totals	25576	25576	25739	25739	25784	100.8	26099	102.0	26259	102.0	26606	103.4	27000	102.5	27481	104.3	27855	103.4	28346	105.2	28911	107.3	29135	108.2	29224	106.5

'A' includes additions as proposed for FY 2021 CIP for grades K-5

'NS' New School proposed for FY 2021 Capital Budget

'R' Replacement School proposed for FY 2021 Capital Budget

Color coding has been updated to align with the definition of target utilization (between 90-110% utilization) as outlined in Policy 6010. Blue is under target utilization, green is within target utilization and red is over target utilization.

Columbia Option # 3 - Elementary Assessments

Elementary School Summary		Current	Aggregate Plan	Assessment Criteria
Years between 90-110%	# of Schools Strengthened	NA	2	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	0	
	Mean	4.2	4.7 NEGLIGIBLE	
Proximity to school	# of Schools Strengthened	NA	1	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible
	# of Schools Weakened	NA	2	
	Mean	5789 (smaller # = closer set of polygons)	5794 NEGLIGIBLE	
Small MS from ES Feeds (under 15%)	# of Small Feeds	17	18 WEAKNESS	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
	# of Double Small Feeds	1	1 NEGLIGIBLE	
Non-contiguous Attendance Areas	Number of "Islands"	5	5 NEGLIGIBLE	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible
	Number	NA	0	
Students moved within 5 yrs of last ES move	% of Enrollment	NA	0.0% 0	
	Number moved in	NA	184	
Students Moved	Number moved out	NA	184	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
Strength		Negligible	Weakness	

Columbia Option # 3 - Middle School Feed Report

Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed	Middle School	Before Feeding Schools	Feed	After Feeding Schools	Feed
Bonnie Branch MS	Ilchester ES	47.7%	Ilchester ES	47.7%	Lake Elkhorn MS	Cradlerock ES	41.1%	Cradlerock ES	41.1%
	Jeffers Hill ES	2.1%	Jeffers Hill ES	2.1%		Guilford ES	26.5%	Guilford ES	26.5%
	Phelps Luck ES	45.9%	Phelps Luck ES	45.9%		Jeffers Hill ES	24.1%	Jeffers Hill ES	24.1%
	Rockburn ES	4.3%	Rockburn ES	4.3%		Talbot Springs ES	8.3%	Talbot Springs ES	8.3%
	Waterloo ES	0.0%	Waterloo ES	0.0%					
Burleigh Manor MS	Centennial Lane ES	56.3%	Centennial Lane ES	56.3%	Lime Kiln MS	Dayton Oaks ES	27.8%	Dayton Oaks ES	27.8%
	Manor Woods ES	27.1%	Manor Woods ES	27.1%		Fulton ES	58.6%	Fulton ES	58.6%
	Northfield ES	15.4%	Northfield ES	15.4%		Pointers Run ES	13.5%	Pointers Run ES	13.5%
	Triadelphia Ridge ES	1.1%	Triadelphia Ridge ES	1.1%					
Clarksville MS	Clarksville ES	46.2%	Clarksville ES	46.2%	Mayfield Woods MS	Bellows Spring ES	29.5%	Bellows Spring ES	29.5%
	Pointers Run ES	53.8%	Pointers Run ES	53.8%		Deep Run ES	42.4%	Deep Run ES	42.4%
						Jeffers Hill ES	10.0%	Jeffers Hill ES	10.0%
						Waterloo ES	18.1%	Waterloo ES	18.1%
Dunloggin MS	Hollifield Station ES	6.7%	Hollifield Station ES	6.7%	Mount View MS	Manor Woods ES	22.3%	Manor Woods ES	22.3%
	Northfield ES	44.7%	Northfield ES	44.7%		Waverly ES	46.8%	Waverly ES	46.8%
	St Johns Lane ES	11.6%	St Johns Lane ES	11.6%		West Friendship ES	30.9%	West Friendship ES	30.9%
	Thunder Hill ES	5.2%	Thunder Hill ES	5.2%					
	Veterans ES	31.8%	Veterans ES	31.8%					
Elkridge Landing MS	Elkridge ES	65.8%	Elkridge ES	65.8%	Murray Hill MS	Gorman Crossing ES	54.4%	Gorman Crossing ES	54.4%
	Rockburn ES	34.2%	Rockburn ES	34.2%		Laurel Woods ES	45.6%	Laurel Woods ES	45.6%
Ellicott Mills MS	Thunder Hill ES	20.7%	Thunder Hill ES	20.7%	Oakland Mills MS	Atholton ES	9.2%	Atholton ES	9.2%
	Veterans ES	26.9%	Veterans ES	26.9%		Stevens Forest ES	41.0%	Stevens Forest ES	41.0%
	Waterloo ES	17.9%	Waterloo ES	17.9%		Talbot Springs ES	35.1%	Talbot Springs ES	35.1%
	Worthington ES	34.5%	Worthington ES	34.5%		Thunder Hill ES	14.6%	Thunder Hill ES	14.6%
Folly Quarter MS	Bushy Park ES	18.9%	Bushy Park ES	18.9%	Patapsco MS	Hollifield Station ES	48.1%	Hollifield Station ES	48.1%
	Clarksville ES	0.1%	Clarksville ES	0.1%		St Johns Lane ES	40.6%	St Johns Lane ES	40.6%
	Dayton Oaks ES	30.9%	Dayton Oaks ES	30.9%		Waverly ES	11.3%	Waverly ES	11.3%
	Triadelphia Ridge ES	50.1%	Triadelphia Ridge ES	50.1%					
Glenwood MS	Bushy Park ES	48.2%	Bushy Park ES	48.2%	Patuxent Valley MS	Bollman Bridge ES	49.3%	Bollman Bridge ES	49.3%
	Lisbon ES	51.8%	Lisbon ES	51.8%		Forest Ridge ES	50.7%	Forest Ridge ES	50.7%
Hammond MS	Atholton ES	25.8%	Atholton ES	25.8%	Thomas Viaduct MS	Bellows Spring ES	10.6%	Bellows Spring ES	10.6%
	Fulton ES	16.0%	Fulton ES	16.0%		Ducketts Lane ES	35.9%	Ducketts Lane ES	35.9%
	Guilford ES	0.0%	Guilford ES	0.0%		Guilford ES	9.0%	Guilford ES	9.0%
	Hammond ES	58.2%	Hammond ES	58.2%		Hanover Hills ES	44.5%	Hanover Hills ES	44.5%
Harpers Choice MS	Longfellow ES	39.9%	Longfellow ES	31.7%	Wiide Lake MS	Bryant Woods ES	34.6%	Bryant Woods ES	27.5%
	Swansfield ES	60.1%	Swansfield ES	68.3%		Clemens Crossing ES	29.4%	Clemens Crossing ES	29.4%
						Running Brook ES	36.0%	Longfellow ES	7.1%
								Running Brook ES	36.0%

Columbia Option # 3 - Elementary Race Report

Elementary School	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		Hispanic		Two or more		White	
	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Atholton ES	<=5%	<=5%	8%	8%	21%	21%	<=5%	<=5%	10%	10%	9%	9%	52%	52%
Bellows Spring ES	<=5%	<=5%	30%	30%	25%	25%	<=5%	<=5%	11%	11%	6%	6%	27%	27%
Bollman Bridge ES	<=5%	<=5%	8%	8%	38%	38%	<=5%	<=5%	23%	23%	6%	6%	23%	23%
Bryant Woods ES	<=5%	<=5%	<=5%	<=5%	55%	54%	<=5%	<=5%	12%	12%	9%	10%	20%	21%
Bushy Park ES	<=5%	<=5%	14%	14%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	72%	72%
Centennial Lane ES	<=5%	<=5%	50%	50%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	7%	7%	33%	33%
Clarksville ES	<=5%	<=5%	56%	56%	8%	8%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	27%	27%
Clemens Crossing ES	<=5%	<=5%	15%	15%	17%	17%	<=5%	<=5%	9%	9%	11%	11%	48%	48%
Cradlerock ES	<=5%	<=5%	7%	7%	48%	48%	<=5%	<=5%	16%	16%	8%	8%	21%	21%
Dayton Oaks ES	<=5%	<=5%	20%	20%	10%	10%	<=5%	<=5%	<=5%	<=5%	6%	6%	59%	59%
Deep Run ES	<=5%	<=5%	14%	14%	15%	15%	<=5%	<=5%	40%	40%	<=5%	<=5%	24%	24%
Ducketts Lane ES	<=5%	<=5%	13%	13%	39%	39%	<=5%	<=5%	21%	21%	<=5%	<=5%	22%	22%
Elkridge ES	<=5%	<=5%	18%	18%	27%	27%	<=5%	<=5%	8%	8%	7%	7%	40%	40%
Forest Ridge ES	<=5%	<=5%	23%	23%	35%	35%	<=5%	<=5%	14%	14%	7%	7%	21%	21%
Fulton ES	<=5%	<=5%	31%	31%	14%	14%	<=5%	<=5%	<=5%	<=5%	10%	10%	41%	41%
Gorman Crossing ES	<=5%	<=5%	29%	29%	33%	33%	<=5%	<=5%	11%	11%	7%	7%	20%	20%
Guilford ES	<=5%	<=5%	16%	16%	47%	47%	<=5%	<=5%	12%	12%	7%	7%	19%	19%
Hammond ES	<=5%	<=5%	13%	13%	29%	29%	<=5%	<=5%	12%	12%	8%	8%	37%	37%
Hanover Hills ES	<=5%	<=5%	25%	25%	38%	38%	<=5%	<=5%	15%	15%	<=5%	<=5%	16%	16%
Hollifield Station ES	<=5%	<=5%	45%	45%	15%	15%	<=5%	<=5%	12%	12%	<=5%	<=5%	25%	25%
Ilchester ES	<=5%	<=5%	27%	27%	6%	6%	<=5%	<=5%	<=5%	<=5%	6%	6%	58%	58%
Jeffers Hill ES	<=5%	<=5%	12%	12%	38%	38%	<=5%	<=5%	20%	20%	9%	9%	20%	20%
Laurel Woods ES	<=5%	<=5%	11%	11%	52%	52%	<=5%	<=5%	25%	25%	6%	6%	7%	7%
Lisbon ES	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	8%	8%	7%	7%	79%	79%
Longfellow ES	<=5%	<=5%	10%	9%	33%	38%	<=5%	<=5%	23%	16%	11%	11%	23%	24%
Manor Woods ES	<=5%	<=5%	47%	47%	9%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	35%	35%
Northfield ES	<=5%	<=5%	27%	27%	9%	9%	<=5%	<=5%	6%	6%	9%	9%	48%	48%
Phelps Luck ES	<=5%	<=5%	6%	6%	38%	38%	<=5%	<=5%	30%	30%	9%	9%	17%	17%
Pointers Run ES	<=5%	<=5%	33%	33%	9%	9%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	49%	49%
Rockburn ES	<=5%	<=5%	19%	19%	13%	13%	<=5%	<=5%	<=5%	<=5%	7%	7%	55%	55%
Running Brook ES	<=5%	<=5%	<=5%	<=5%	57%	57%	<=5%	<=5%	12%	12%	8%	8%	18%	18%
St Johns Lane ES	<=5%	<=5%	35%	35%	13%	13%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	43%	43%
Stevens Forest ES	<=5%	<=5%	6%	6%	40%	40%	<=5%	<=5%	29%	29%	10%	10%	14%	14%
Swansfield ES	<=5%	<=5%	<=5%	6%	55%	52%	<=5%	<=5%	18%	21%	7%	7%	15%	14%
Talbott Springs ES	<=5%	<=5%	<=5%	<=5%	40%	40%	<=5%	<=5%	25%	25%	7%	7%	24%	24%
Thunder Hill ES	<=5%	<=5%	19%	19%	27%	27%	<=5%	<=5%	8%	8%	9%	9%	37%	37%
Triadelphia Ridge ES	<=5%	<=5%	29%	29%	8%	8%	<=5%	<=5%	7%	7%	9%	9%	47%	47%
Veterans ES	<=5%	<=5%	52%	52%	14%	14%	<=5%	<=5%	7%	7%	<=5%	<=5%	25%	25%
Waterloo ES	<=5%	<=5%	23%	23%	29%	29%	<=5%	<=5%	<=5%	<=5%	7%	7%	36%	36%
Waverly ES	<=5%	<=5%	49%	49%	7%	7%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	37%	37%
West Friendship ES	<=5%	<=5%	22%	22%	<=5%	<=5%	<=5%	<=5%	<=5%	<=5%	6%	6%	65%	65%
Worthington ES	<=5%	<=5%	39%	39%	7%	7%	<=5%	<=5%	<=5%	<=5%	6%	6%	44%	44%
Countywide Average	<=5%		22%		25%		<=5%		12%		7%		34%	

See page 35 for information about the data used in this report.

Columbia Option # 3 - Elementary ESOL Report

School	% ESOL Participation	
	Base	Proposed
Atholton ES	<=5%	<=5%
Bellows Spring ES	9%	9%
Bollman Bridge ES	14%	14%
Bryant Woods ES	<=5%	<=5%
Bushy Park ES	<=5%	<=5%
Centennial Lane ES	6%	6%
Clarksville ES	6%	6%
Clemens Crossing ES	<=5%	<=5%
Cradlerock ES	8%	8%
Dayton Oaks ES	<=5%	<=5%
Deep Run ES	23%	23%
Ducketts Lane ES	16%	16%
Elkridge ES	6%	6%
Forest Ridge ES	9%	9%
Fulton ES	6%	6%
Gorman Crossing ES	7%	7%
Guilford ES	7%	7%
Hammond ES	6%	6%
Hanover Hills ES	11%	11%
Hollifield Station ES	13%	13%
Ilchester ES	<=5%	<=5%
Jeffers Hill ES	9%	9%
Laurel Woods ES	13%	13%
Lisbon ES	<=5%	<=5%
Longfellow ES	<=5%	<=5%
Manor Woods ES	8%	8%
Northfield ES	<=5%	<=5%
Phelps Luck ES	17%	17%
Pointers Run ES	<=5%	<=5%
Rockburn ES	<=5%	<=5%
Running Brook ES	6%	6%
St Johns Lane ES	<=5%	<=5%
Stevens Forest ES	20%	20%
Swansfield ES	8%	8%
Talbott Springs ES	12%	12%
Thunder Hill ES	6%	6%
Triadelphia Ridge ES	<=5%	<=5%
Veterans ES	10%	10%
Waterloo ES	8%	8%
Waverly ES	<=5%	<=5%
West Friendship ES	<=5%	<=5%
Worthington ES	<=5%	<=5%
Countywide Average	7%	

See page 35 for information about the data used in this report.

Columbia Option # 3 - Elementary FARM and Test Percentages

FARM/Test Data		Columbia 3	
School Name	FARM	PARCC-Read	PARCC-Math
Atholton ES	15%	47%	58%
Bellows Spring ES	17%	63%	59%
Bollman Bridge ES	50%	29%	32%
Bryant Woods ES	50%	40%	48%
Bushy Park ES	<=5%	76%	74%
Centennial Lane ES	6%	75%	82%
Clarksville ES	<=5%	83%	89%
Clemens Crossing ES	13%	66%	63%
Cradlerock ES	55%	35%	26%
Dayton Oaks ES	<=5%	69%	77%
Deep Run ES	54%	37%	40%
Ducketts Lane ES	53%	41%	40%
Elkridge ES	32%	44%	47%
Forest Ridge ES	33%	53%	50%
Fulton ES	<=5%	70%	77%
Gorman Crossing ES	18%	53%	59%
Guilford ES	45%	38%	36%
Hammond ES	24%	52%	60%
Hanover Hills ES	37%	43%	47%
Hollifield Station ES	24%	54%	56%
Ilchester ES	<=5%	84%	77%
Jeffers Hill ES	35%	43%	35%
Laurel Woods ES	61%	37%	37%
Lisbon ES	12%	67%	57%
Longfellow ES	45%	48%	48%
Manor Woods ES	8%	68%	72%
Northfield ES	11%	62%	65%
Phelps Luck ES	63%	36%	35%
Pointers Run ES	<=5%	72%	82%
Rockburn ES	6%	65%	70%
Running Brook ES	52%	32%	34%
St Johns Lane ES	9%	63%	64%
Stevens Forest ES	65%	33%	30%
Swansfield ES	62%	31%	35%
Talbott Springs ES	49%	53%	46%
Thunder Hill ES	21%	62%	63%
Triadelphia Ridge ES	<=5%	71%	80%
Veterans ES	21%	55%	59%
Waterloo ES	24%	65%	66%
Waverly ES	<=5%	76%	79%
West Friendship ES	6%	70%	66%
Worthington ES	<=5%	68%	72%
System-wide total	25%	57%	59%

See page 35 for information about the data used in this report.

Sample Combination Plan - Summary and Elementary Polygon Moves

By combining options presented in this report, a boundary adjustment plan can be created that balances utilization throughout the county. The sample combination plan included here merges reassignments from elementary plans from each of the areas studied, and the larger of the two high school options presented. Additional reassignments were added to better align feeds resulting from plan combination. The resulting "comprehensive" sample plan reassigns over 4,000 projected SY 2020-21 students. There are 54 schools within target utilization range in SY 2020-21 and 47 in SY 2024-25. The compromises for this sample plan include additional small feeds at the high school level, and more students not attending their closest school. There are other ways to combine these options into a countywide plan, and other elementary, middle, and high school options that could be considered as part of a countywide plan. This is one option, provided as a sample, to illustrate the potential of combining some of the options presented in this report.

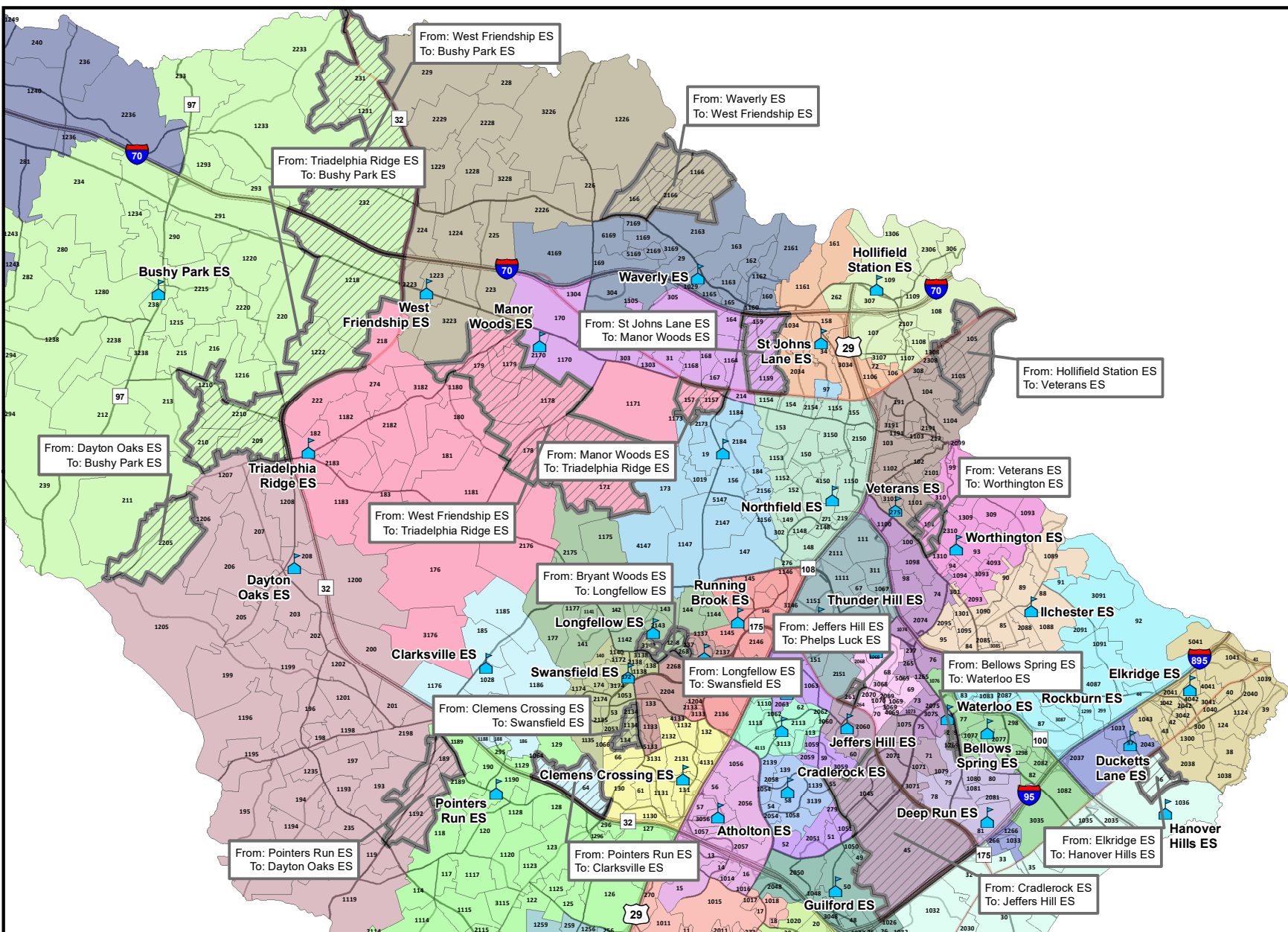
Sending	Receiving	Appx. # of Students	Polygons Proposed for Reassignment
Bellows Spring ES	Waterloo ES	34	269, 1269
Bryant Woods ES	Longfellow ES	92	268, 1268
Clemens Crossing ES	Swansfield ES	80	134, 1134, 2134
Cradlerock ES	Jeffers Hill ES	25	45, 55, 1045
Dayton Oaks ES	Bushy Park ES	44	2205
Elkridge ES	Hanover Hills ES	91	36
Hollifield Station ES	Veterans ES	117	105, 1105, 1308
Jeffers Hill ES	Phelps Luck ES	23	261, 1261
Longfellow ES	Swansfield ES	92	3143
Manor Woods ES	Triadelphia Ridge ES	68	157, 1157
Pointers Run ES	Clarksville ES	113	64, 1064
Pointers Run ES	Dayton Oaks ES	75	189, 1192
St. John's Lane ES	Manor Woods ES	120	159, 1159
Triadelphia Ridge ES	Bushy Park ES	119	209, 210, 1210, 1218, 1222, 2210
Veterans ES	Worthington ES	48	101
Waverly ES	West Friendship ES	53	166, 1166, 2166
West Friendship ES	Bushy Park ES	86	231, 1231, 232
West Friendship ES	Triadelphia Ridge ES	66	171, 178, 179, 1178, 1179
Total		1,346	

Sample Combination Plan - Middle and High Polygon Moves

Sending	Receiving	Appx. # of Students	Polygons Proposed for Movement
Burleigh Manor MS	Folly Quarter MS	51	157, 1157, 1171
Clarksville MS	Lime Kiln MS	20	189
Elkridge Landing MS	Thomas Viaduct MS	50	36
Mount View MS	Folly Quarter MS	42	171, 178, 179, 1178
Mount View MS	Glenwood MS	46	231, 1231, 232
Murray Hill MS	Patuxent Valley MS	78	121, 1121
Oakland Mills MS	Wilde Lake MS	47	56, 1056, 2056, 3056
Patapsco MS	Burleigh Manor MS	46	159, 1159
Wilde Lake MS	Harper's Choice MS	42	268, 1268
Total		422	

Sending	Receiving	Appx. # of Students	Polygons Proposed for Movement
Atholton HS	River Hill HS	98	118, 190, 1190
Centennial HS	Marriotts Ridge HS	246	97, 154, 214, 1154, 2154
Centennial HS	Wilde Lake HS	120	150, 219, 1150, 4150
Hammond HS	Atholton HS	64	57, 270, 273, 1057, 2057
Howard HS	Long Reach HS	359	38, 39, 42, 124, 300, 1038, 1042, 1124, 1300, 2038, 2042, 3042
Long Reach HS	Oakland Mills HS	512	33, 35, 81, 266, 1033, 1035, 1081, 1266, 3035, 2081, 3035, 4035
Marriotts Ridge HS	Glenelg HS	62	231, 232, 1231
Mt Hebron HS	Centennial HS	176	106, 308, 1106, 2308
Mt Hebron HS	Marriotts Ridge HS	69	159, 1159
Oakland Mills HS	Wilde Lake HS	383	51, 52, 54, 56, 58, 279, 1051, 1054, 1056, 1058, 2051, 2054, 2056, 3056, 3139
Reservoir HS	River Hill HS	87	114, 122, 125, 1114, 1115, 1125, 2114, 3115
River Hill HS	Glenelg HS	144	182, 1180, 1182, 1183, 2182, 2183, 3182
Wilde Lake HS	Atholton HS	137	66, 134, 135, 1066, 1134, 1135, 2134, 2135
Wilde Lake HS	River Hill HS	83	140, 141, 142, 175, 177, 1141, 1143, 1175, 1177, 2175
Total		2,540	

Sample Combination Plan - Elementary School Map



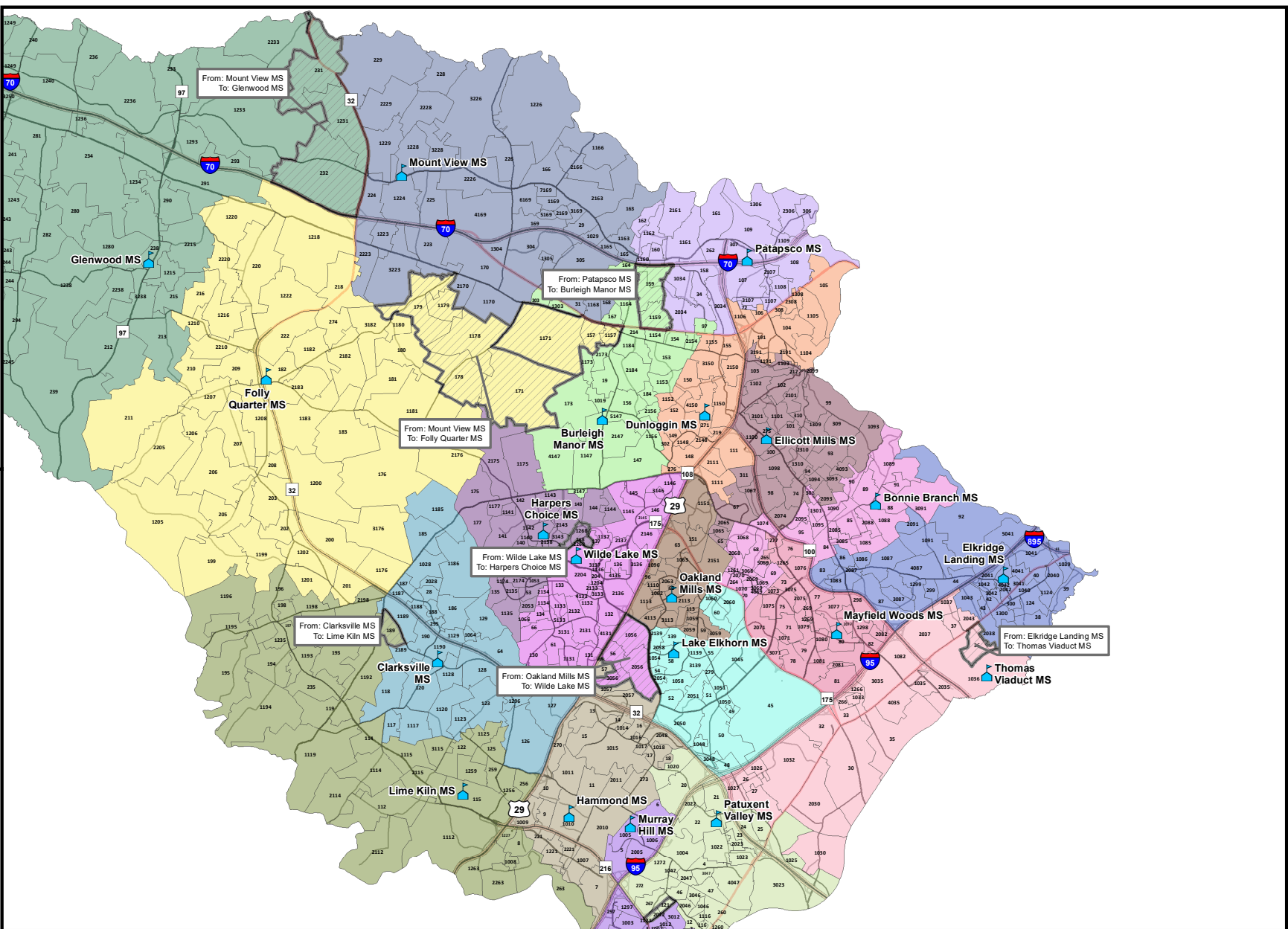
2019 Feasibility Study Boundary Review

Sample Combination Plan (Elementary School Boundaries)

Showing proposed boundaries and areas reassigned for this option.



Sample Combination Plan - Middle School Map

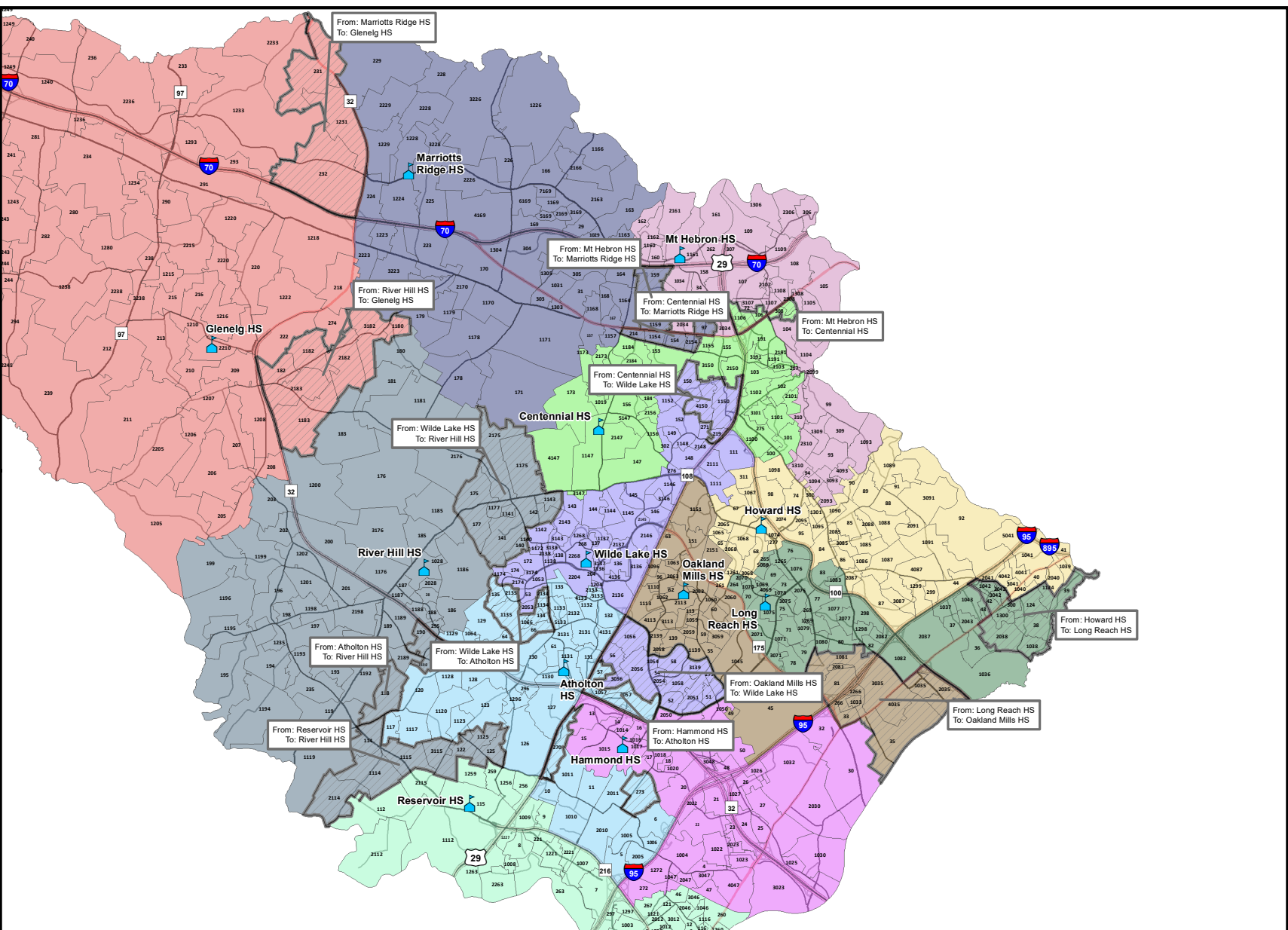


2019 Feasibility Study Boundary Review
Sample Combination Plan (Middle School Boundaries)

Showing proposed boundaries and areas reassigned for this option.



Sample Combination Plan - High School Map



2019 Feasibility Study Boundary Review
Sample Combination Plan (High School Boundaries)

Showing proposed boundaries and areas reassigned for this option.



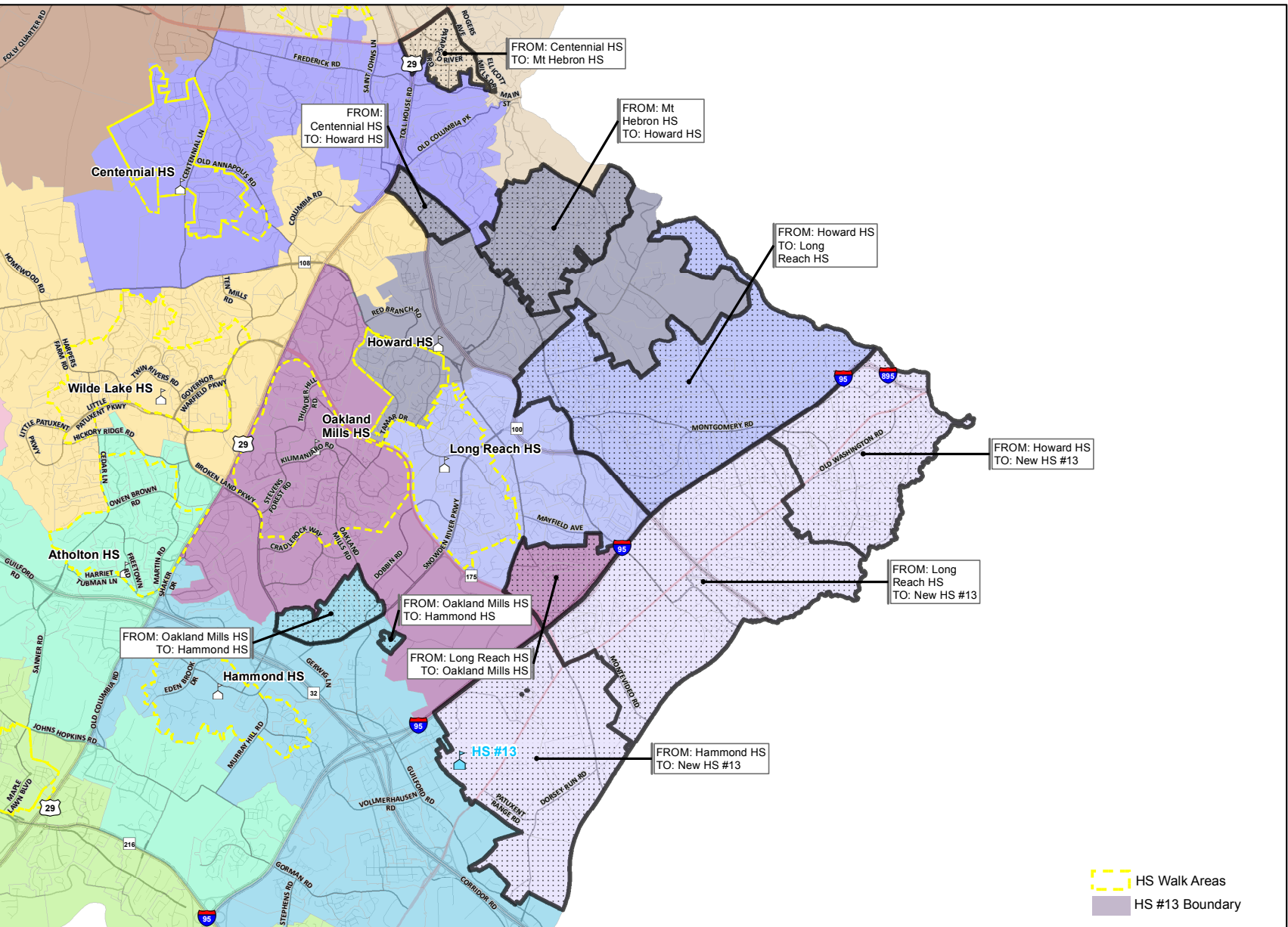
Sample High School #13 Boundary

The following is a draft potential HS #13 boundary. The following criteria was used to develop the boundary scenario:

- Consideration for target utilization (90% -110% utilization) per Policy 6010;
- Opening a new high school in 2023 with 1,650 seats; and
- Proposed Hammond HS renovation/addition (+200 seats) for the same timeframe.

This scenario does not use existing capacity at schools further west. The scenario is a conservative approach, moving as few students as possible to identify potential high school attendance areas. This scenario is preliminary. Further analysis based on Policy 6010, in its entirety, will be completed in the future and many scenarios will be tested. Projections are scheduled to be updated annually until attendance area adjustments are under review for the Board's approval the year prior to HS #13 opening.

Sample High School #13 Boundary



Preliminary Draft HS #13 Boundary Study

Feasibility Study:
An Annual Review of Long-Term Capital
Planning and Attendance Area Adjustment Options

Section 5

Appendices

June 2019

**POLICY 6010
SCHOOL ATTENDANCE AREAS**

BOARD OF EDUCATION

Effective: February 28, 2019

I. Policy Statement

The Board of Education of Howard County, with the advice of the Superintendent, establishes school attendance areas to provide quality, equitable educational opportunities to all students and to balance the capacity utilization of all schools. The Board recognizes that school openings, closings, additions, program changes, population growth and other demographic changes may require that school attendance areas be adjusted. The Board also recognizes the value of diverse and inclusive school populations when establishing attendance areas. The Board believes that employees' analyses and recommendations, as well as public advice and comment, are integral to its deliberations and decisions related to school attendance areas.

II. Purpose

The purpose of this policy is to define the conditions and process by which school attendance area adjustments will be developed and adopted.

III. Definitions

Within the context of this policy, the following definitions apply:

- A. Attendance Area Committee (AAC) – Committee comprised of community members appointed by the Superintendent to provide feedback to the Superintendent on the proposed attendance area adjustment considerations in the Feasibility Study.
- B. Continuity of Operations Plan (COOP) – Procedures to ensure that the capability exists to continue essential functions during and after an extended emergency.
- C. Demographic Characteristics – Features in the composition of a school's population that includes, but is not limited to the racial/ethnic composition of a school's student population, as well as the percentage of students participating in Free and Reduced-Priced Meals (FARMS) and English for Speakers of Other Languages (ESOL) programs.
- D. Diversity – Recognizing, accepting, and respecting that individuals come from many different life experiences with various frames of reference and perspectives. While diversity values unique perspectives and individual differences, it also values the commonalities we all share. Diversity includes, but is not limited to race/ethnicity, gender, gender identity, socioeconomic status, sexual orientation, language, culture, religion/beliefs, mental and physical ability, age, and national origin.

POLICY 6010

- E. Equitable – Just or fair access, opportunities, and supports needed to help students, families, and employees reach their full potential by removing barriers to success that individuals face. It does not mean equal or everyone having the same things.
- F. Extended Emergency – A severe or long-term emergency that affects an individual school, multiple schools, or the entire school system.
- G. Feed – The flow of students from one school level to the next.
- H. Free and Reduced-Priced Meals (FARMS) – A federal program available to students whose households meet the federal income eligibility guidelines to receive free or reduced-priced meals.
- I. Howard County Emergency Operations Plan – A comprehensive emergency management plan incorporating all aspects of pre-emergency preparedness and post-emergency response, recovery, and mitigation.
- J. HCPSS System-Level Emergency Operations Plan (EOP) – A multi-hazard approach for the school system to prevent, protect against, mitigate, respond to, and recover from the threats and hazards that pose the greatest risk to the people, property, and operations of the school system.
- K. Inclusive – Making sure all individuals have the opportunity to be engaged participants in the learning environment and community. All students, families, and employees feel valued, respected, appreciated and involved. Individuals see their unique identities reflected in all facets of education including staffing, curriculum, instruction, and activities.
- L. Long-Range Enrollment – Each school’s student population projections for the upcoming 10 years.
- M. Permanent School Facility – School building that is constructed with brick, concrete and steel, with a wooden or fabricated steel frame; a lasting structure designed and intended for support, enclosure, shelter or protection of people and for the delivery of instruction. Excluded from this definition are relocatables which are temporary and can be moved to alternative locations.
- N. Planning Region – A geographic area of Howard County made up of one or more schools used by the HCPSS Office of School Planning for long-range planning purposes.
- O. Program Capacity – The number of students that can be reasonably accommodated in a school, based on the permanent school facility (relocatables are excluded) and the educational program offered (pre-kindergarten regional programs are excluded). Program capacity is calculated based at the below rates:

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1. Elementary schools: the product of the Board-approved student-to-teacher ratio and the number of teaching stations identified in the capital budget.
 2. Middle schools: 95% of the product of the Board-approved student-to-teacher ratio and the number of teaching stations identified in the capital budget.
 3. High schools: 80% or 85% of the product of the Board-approved student-to-teacher ratio and the number of teaching stations in the capital budget.
- P. Projections – Estimated student enrollment for future school years.
- Q. Regional Program – A countywide educational program located at one or more, but not all schools that is designed to provide a particular type of educational leadership or intervention to students. Regional programs may include, but are not limited to Regional Academic Life Skills, Preschool Program, including Parent-Assisted Learning at Schools, Pre-Kindergarten, Elementary School Model Full-day Pre-Kindergarten, Early Beginnings, Regional Emotional Disabilities, Multiple Intensive Needs Classroom, Junior Reserve Officer Training Course (JROTC) and Elementary School Primary Learner Program.
- R. Relocatables – Prefabricated, stand-alone buildings providing temporary capacity for a school and that are excluded from program capacity.
- S. School Attendance Area – Geographic area from which a school’s students are drawn.
- T. Target Utilization – Enrollment between 90% and 110% utilization of the program capacity of a permanent school facility.
- U. Teaching Stations – Rooms that are at least 660 square feet in size and are or could be used for delivery of the educational program. Rooms that are excluded include, but are not limited to, rooms assigned to administrative purposes, regional programs, prekindergarten, special education, cooperative use areas, and elementary related arts.
- V. Utilization – The comparison of a permanent school facility’s program capacity and its enrollment or projected future enrollment.

IV. Standards

- A. The Board will consider school attendance area adjustments whenever one or more of the following conditions exist:
1. A new school or addition is scheduled to open.
 2. An existing permanent school facility is significantly damaged, deemed unusable, or otherwise scheduled to close.

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3. School attendance area projections are outside the target utilization.
 4. The program capacity of a school building is altered.
 5. The road network(s) within one or more school attendance areas is altered.
 6. A unique circumstance that prompts adjustments to promote efficiencies, provide for the welfare of students, or adapt for shifts in program delivery.
- B. The Board, Superintendent/designee and the AAC will consider the impact of the following factors in the review or development of any school attendance area adjustment plan. While each of these factors will be considered, it may not be feasible to reconcile each and every school attendance area adjustment with each and every factor.
1. Facility Utilization. Where reasonable, school attendance area utilization should stay within the target utilization for as long a period of time as possible through the consideration of:
 - a. Efficient use of available space. For example, maintain a building's program capacity utilization between 90% and 100%.
 - b. Long-range enrollment, capital plans and capacity needs of school infrastructures (e.g., cafeterias, restrooms and other shared core facilities).
 - c. Fiscal responsibility by minimizing capital and operating costs.
 - d. The number of students that walk or receive bus service and the distance and time based students travel.
 - e. Location of regional programs, maintaining an equitable distribution of programs across the county.
 2. Community Stability. Where reasonable, school attendance areas should promote a sense of community in both the geographic place (e.g., neighborhood or place in which a student lives) and the promotion of a student from each school level through the consideration of:
 - a. Feeds that encourage keeping students together from one school to the next. For example, avoiding feeds of less than 15% at the receiving school.
 - b. Areas that are made up of contiguous communities or neighborhoods.
 - c. Frequency with which any one student is reassigned, making every attempt to not move a student more than once at any school level or the same student more frequently than once every five years.

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3. Demographic Characteristics of Student Population. Where reasonable, school attendance areas should promote the creation of a diverse and inclusive student body at both the sending and receiving schools through the consideration of:
 - a. The racial/ethnic composition of the student population.
 - b. The socioeconomic composition of the school population as measured by participation in the federal FARMS program.
 - c. Academic performance of students in both the sending and receiving schools as measured by current standardized testing results.
 - d. The level of English learners as measured by enrollment in the English for Speakers of Other Languages (ESOL) program.
 - e. Number of students moved, taking into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.
 - f. Other reliable demographic and diversity indicators, where feasible.
- C. Board of Education's Deliberations
 1. The Superintendent/designee will submit attendance area considerations to the Board for discussion and recommendation.
 2. If attendance area adjustments are considered under Section IV.A., the Board will notify the public of its decision for the Superintendent to proceed or not to proceed with the formation of the AAC and attendance area adjustment recommendations.
 3. The Superintendent/designee will submit to the Board attendance area adjustment recommendations, which include data on each of the factors in Section IV.B. for which measurement can be obtained.
 4. The Board, in accordance with Policy 2040 Public Participation in Meetings of the Board, will hold a public hearing(s) regarding the school attendance area adjustment plan(s) submitted by the Superintendent. In addition, and as necessary, work session(s) will be scheduled to consider public hearing testimony. The Board may schedule additional hearings and/or work sessions at its discretion.
 5. The Board may direct the Superintendent to provide additional information and/or develop other alternative plans for its consideration at any time. The Board may also propose alternative plans at any time.

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6. The Board may consider exemptions for rising fifth, eighth, and eleventh grade students to continue attending schools in an area that is proposed for attendance area adjustments. Attendance area adjustments will not affect rising twelfth grade students.
7. The Board will take final action on school attendance area adjustments at a public meeting. The Board reserves the right to adopt or to modify any alternatives and/or recommendations presented to it by the Superintendent/designee or the residents of Howard County proposed previously or during the Board's deliberations and vote.

D. Community Input

1. The Superintendent will, when directed by the Board, form an AAC in accordance with the Implementation Procedures of this policy for the purpose of advising the Superintendent during the planning phase of the attendance area adjustment process. In the case of an extended emergency situation, the Superintendent/designee will propose an attendance area adjustment.
2. The Board will provide opportunities for public input in accordance with Policy 2040 Public Participation in Meetings of the Board.
3. Members of the public may submit school attendance area adjustment plans to the Board and/or the Superintendent/designee.

- E. The Board may alter these provisions, upon a majority vote of the Board, when an extended emergency as defined by Policy 3010 Emergency Preparedness and Response occurs or other extraordinary circumstances warrant such an alternation.

V. Responsibilities

- A. The Superintendent/designee will prepare and provide enrollment projections and attendance area considerations on an annual basis to the Board.
- B. The Board will determine whether any conditions exist that prompt the consideration of school attendance area adjustments and, when applicable, recommend formation of the AAC. The Superintendent/designee will assist the AAC in completing its review and comment process.
- C. All AAC meetings are subject to the Maryland Open Meetings Act. Employees will take summary notes of the AAC meeting and make these summary notes available to the public.
- D. The Superintendent/designee will communicate the Board's action on attendance area adjustments to the principals, PTA presidents and SGA presidents of each affected

school, the president of the PTA Council of Howard County and the chairman of the Community Advisory Council to the Board.

- E. Principals will communicate attendance area adjustments to the parents of students in areas affected by the Board's action.

VI. Delegation of Authority

The Superintendent is authorized to develop appropriate procedures for the implementation of this policy.

VII. References

- A. Legal
 - The Annotated Code of Maryland, Education Article, Section 4-109, Establishment of Public School
 - Maryland Open Meetings Act
- B. Other Board Policies
 - Policy 2040 Public Participation in Meetings of the Board
 - Policy 2050 Advisory Committees to Staff and Schools
 - Policy 3010 Emergency Preparedness and Response
 - Policy 5200 Pupil Transportation
 - Policy 6000 Site Selection and Acquisition
 - Policy 6020 School Planning/School Construction Programs
 - Policy 6070 Discontinuation of School Use
 - Policy 9000 Student Residency, Eligibility, Enrollment, and Assignment
- C. Relevant Data Sources
- D. Other

VIII. History

ADOPTED: April 15, 2004

REVIEWED: July 1, 2011

MODIFIED: November 29, 2018
February 28, 2019

REVISED: April 28, 2005

April 16, 2009

January 26, 2017

EFFECTIVE: February 28, 2019



**POLICY 6010-IP
IMPLEMENTATION PROCEDURES**

SCHOOL ATTENDANCE AREAS

Effective: February 28, 2019

I. Development and Consideration of School Attendance Area Adjustment Plans

The long-range school facilities planning process is conducted on an annual basis according to the county's and state's capital budget process. The timing, sequence, and/or steps may be adjusted based on budgetary and operational needs, to account for holidays and other considerations. The development and consideration of proposed school attendance area adjustment plans will take place in the following manner:

Determine Proposed Scope:

- A. Calendar Year 1 - June-November
After the presentation of the Feasibility Study or after any approval of changes in the attendance areas, the Superintendent and the Board of Education will consult with each other to define the proposed scope (i.e. open a new school only or comprehensive plan for all three levels) of the upcoming year's attendance area adjustments and develop a communication plan. The proposed scope may be adjusted during the review and approval process.

Review and Approval Process:

- B. Calendar Year 2 - January/February
The Office of School Planning will provide the Superintendent with enrollment projections by school annually and develop attendance area considerations per Policy 6010. The considerations will address capacity projects in the capital budget and will be the basis for short- and long-range attendance area plans.
- C. Calendar Year 2 - April
The Office of School Planning may solicit and interview candidates for the potential Attendance Area Committee (AAC) and nominate candidates for appointment by the Superintendent.
- D. Calendar Year 2 - June
The Superintendent/designee presents projections, attendance area considerations and planning issues to the Board and interested residents.

If the Board approves proceeding with attendance area adjustments, the Superintendent will charter such a committee to review attendance area adjustment considerations. The Board will notify the public of its decision for the

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Superintendent to proceed or not to proceed with the formation of the AAC and attendance area adjustment recommendations.

E. Calendar Year 2 - June

If an AAC is created, Office of School Planning employees will provide training to the AAC. Training will include, but is not limited the following:

1. Review of Policy 6010 and its standards used to establish an attendance area adjustment plan.
2. Review the AAC's responsibilities in the attendance area adjustment plan process, including training on the Maryland Open Meetings Act.

F. Calendar Year 2 - June/July

With assistance from the Office of School Planning, the AAC will review any attendance area adjustment considerations in the Feasibility Study, and make a committee recommendation to the Superintendent to assist the Superintendent in developing a recommendation to the Board.

G. Calendar Year 2 - July

The Office of School Planning will facilitate regional meetings to obtain public comment regarding attendance area adjustments. The Office of School Planning will solicit public input through various mechanisms.

H. Calendar Year 2 - July/August

The Office of School Planning will advise the Superintendent on capacity needs for the upcoming budget process during capital budget preparations.

I. Calendar Year 2 - August

After receipt of input from the AAC and the public, the Superintendent will propose attendance area adjustments to the Board.

J. Calendar Year 2 - August-November

Board public hearing(s), work session(s) and adoption of attendance area adjustments.

K. Calendar Year 2 - December

The Superintendent/designee and Board will assess the attendance area adjustment process. Modifications to this process will be made, as needed, prior to the beginning of the next attendance area adjustment.

Implementation

L. Calendar Year 2 - December – Year 3 - January

After the Board has made any final decision(s) regarding attendance area adjustments, the approved attendance area maps are developed, the school locator is updated, and transportation routes are updated. The Superintendent will

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communicate the Board's action to the principals, PTA presidents and SGA presidents of each affected school, the president of the PTA Council of Howard County and the chairman of the Community Advisory Council to the Board. The Superintendent/designee will assist school-based administrators and employees with articulating students affected by attendance area adjustments. Principals will communicate attendance area adjustments to the parents of students in areas affected by the Board's action.

- M. Calendar Year 3 - January
Capital Budget review by the Board.
- N. Calendar Year 3 - May
Capital Budget review and approval by County Council.
- O. Calendar Year 3 - September
Attendance Area Adjustment effective.

III. Attendance Area Committee Make-up and Responsibilities

- A. The AAC shall consist of 10 to 15 members. Consideration will be given to providing representation from each of the Howard County Public School System's (HCPSS) planning regions. Representation may include, but is not limited to the following:
 - 1. At least one member from the Howard County Association of Student Councils.
 - 2. At least one member from each of the HCPSS six planning regions.
 - 3. At least three, but no more than eight at-large community members, with consideration toward identifying members of the community based on the attendance area/planning region(s) that may be affected by attendance area adjustments.
 - 4. Of those AAC members selected, no more than six members will have been members of a previous AAC.
 - 5. Members may not serve on more than two consecutive AACs.
- B. The AAC, after receiving training, will work in collaboration with the Office of School Planning employees and the Superintendent/designee to provide feedback on attendance area considerations. The basis for the review will be enrollment projections and the Policy 6010 Standards set forth in Section IV.B.

IV. History

ADOPTED: April 28, 2005

POLICY 6010-IP
IMPLEMENTATION PROCEDURES

REVIEWED: July 1, 2011
MODIFIED: November 29, 2018
February 28, 2019
REVISED: January 26, 2017
EFFECTIVE: February 28, 2019

Most Recent Attendance Area Adjustments

The new Adequate Public Facilities Ordinance adopted by the County Council in 2018 requires that HCPSS reports the most recent attendance area adjustments for each school.

Table 6.1 Most Recent Attendance Area Adjustments Chart

	In effect		In effect
Atholton ES	2012	Bonnie Branch MS	2014
Bellows Spring ES	2018	Burleigh Manor MS	2018
Bollman Bridge ES	2012	Clarksville MS	2018
Bryant Woods ES	2007	Dunloggin MS	2006
Bushy Park ES	2002	Elkridge Landing MS	2018
Centennial Lane ES	2007	Ellicott Mills MS	2014
Clarksville ES	2006	Folly Quarter MS	2006
Clemens Crossing ES	2018	Glenwood MS	2004
Cradlerock ES	2004	Hammond MS	2014
Dayton Oaks ES	2012	Harpers Choice MS	2018
Deep Run ES	2018	Lake Elkhorn MS	2014
Ducketts Lane ES	2018	Lime Kiln MS	2018
Elkridge ES	2013	Mayfield Woods MS	2018
Forest Ridge ES	2012	Mount View MS	2018
Fulton ES	2012	Murray Hill MS	2014
Gorman Crossing ES	2012	Oakland Mills MS	2003
Guilford ES	2012	Patapsco MS	2006
Hammond ES	2012	Patuxent Valley MS	2014
Hanover Hills ES	2018	Thomas Viaduct MS	2018
Hollifield Station ES	2013	Wilde Lake MS	2018
Ilchester ES	2013		
Jeffers Hill ES	2013		
Laurel Woods ES	2012		
Lisbon ES	1998		
Longfellow ES	2003		
Manor Woods ES	2018		
Northfield ES	2013		
Phelps Luck ES	2013	Atholton HS	2002
Pointers Run ES	2018	Centennial HS	2006
Rockburn ES	2018	Glenelg HS	2010
Running Brook ES	2007	Hammond HS	2005
St Johns Lane ES	2013	Howard HS	2005
Stevens Forest ES	2013	Long Reach HS	2005
Swansfield ES	1987	Marriotts Ridge HS	2010
Talbott Springs ES	2013	Mt Hebron HS	2006
Thunder Hill ES	2013	Oakland Mills HS	2005
Triadelphia Ridge ES	2018	Reservoir HS	2002
Veterans ES	2013	River Hill HS	2010
Waterloo ES	2013	Wilde Lake HS	2004
Waverly ES	2018		
West Friendship ES	2018		
Worthington ES	2007		

ATTACHMENT 2

2019 AAC Members

Name	Region
Lisa Schlossnagle	W
Paige Getty	CW
Quiana Holmes	CE
Hector Garcia	NE
Steven Hunt	SE
Willie Flowers	N
Lanlan Xu	W
Heidi Abdelhady	CW
Frank Eastham	CE
Suleman Malik	NE
Leonardo McClarty	NE
Bessie Bordenave	SE
Larry Walker	N
Justin Carguilo (student member)	Student